

HARDIE'S "FIBROLITE"

ROOFING
CATALOGUE



● "MAKE YOUR FIRST ROOF LAST" ●

HAROLD'S
FIBROLITE

ROOMS
CATALOGUE



HARDIE'S "I" Asbestos CORRUGATE

TELEPHONE: B-7721
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Jas. A. Fitz-Patrick

BANKSTOWN
MAIN SUBURBAN AND
EASTERN SUBURBS REPRESENTATIVE
JAMES HARDIE & COY. PTY. LTD.
YORK & BARRACK STREETS
SYDNEY

(OVER)

"SUPER-SIX" — 5 $\frac{3}{4}$ " CORRUGATIONS
"STANDARD" — 3" CORRUGATIONS

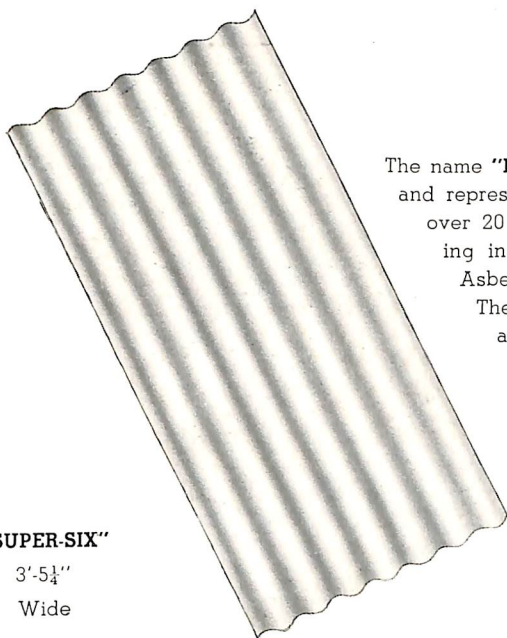
GUTTERS AND DOWNPIPES . . . EXHAUST VENTILATORS
BARGE MOULDINGS . . . RIDGE CAPPINGS
LOUVRE BLADES . . . SKYLIGHTS
and Accessories

Leadership!

The name "Fibrolite" is our registered trade name and represents the accumulated experience of over 20 years of leadership and pioneering in the manufacture of Corrugated Asbestos Cement Sheets in Australia.

The words Hardie's "Fibrolite" are impressed on every sheet of Genuine "FIBROLITE" Corrugated Roofing.

"SUPER-SIX"
3'-5 $\frac{1}{4}$ "
Wide



"STANDARD"
2'-7 $\frac{1}{2}$ "
Wide



MANUFACTURED IN NEW SOUTH WALES
Victoria, Queensland, Western Australia and Auckland, N.Z.

SOLE MANUFACTURERS:

JAMES HARDIE & COY. PTY. LTD.

"Asbestos House,"

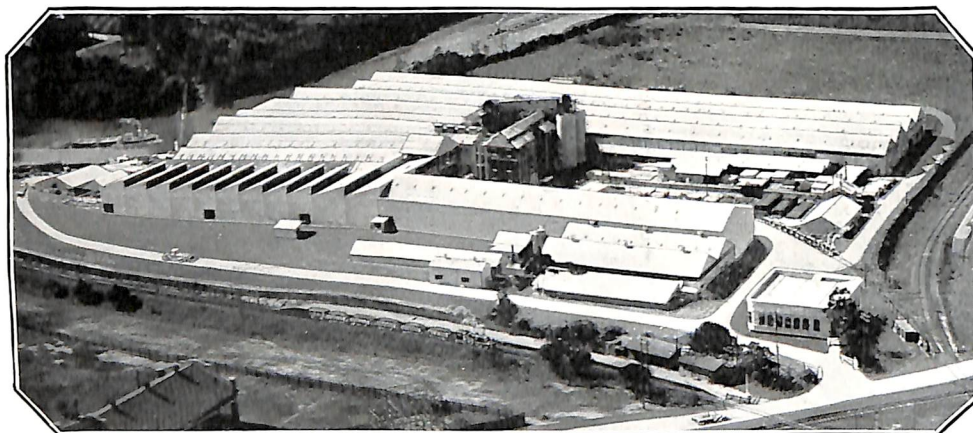
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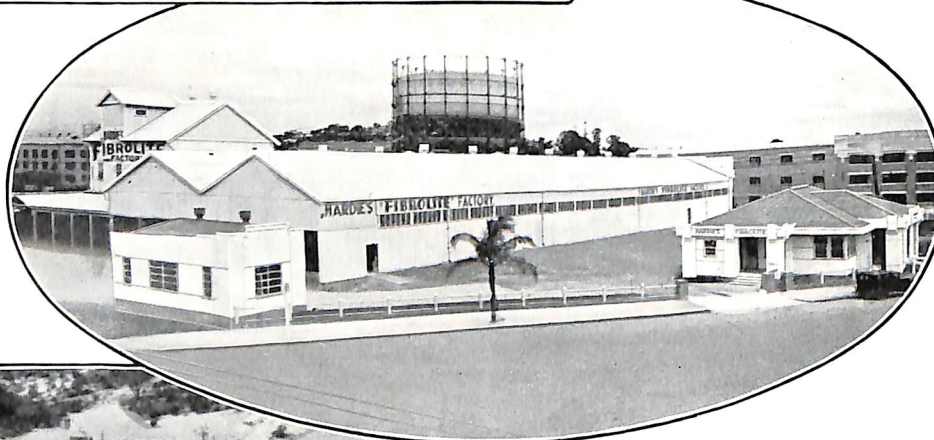
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HARDIE'S "FIBROLITE" CORRUGATED ROOFING



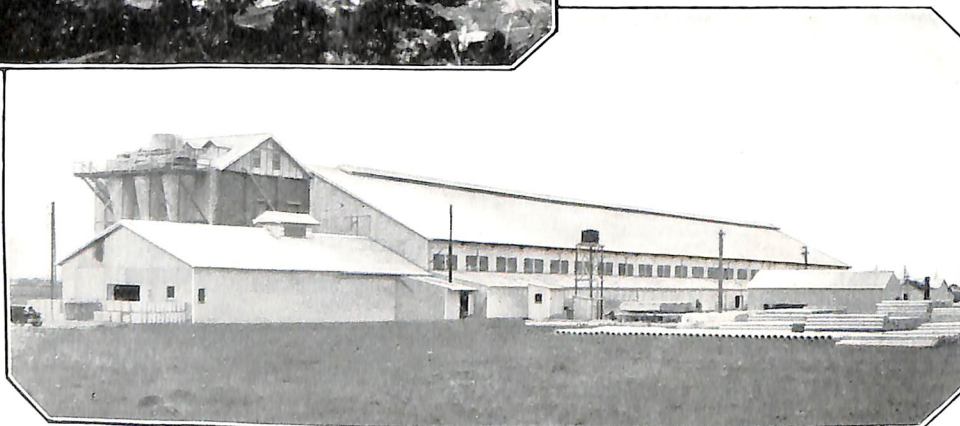
(Left):
SYDNEY
(Camellia)



(Right):
BRISBANE
(Newstead)



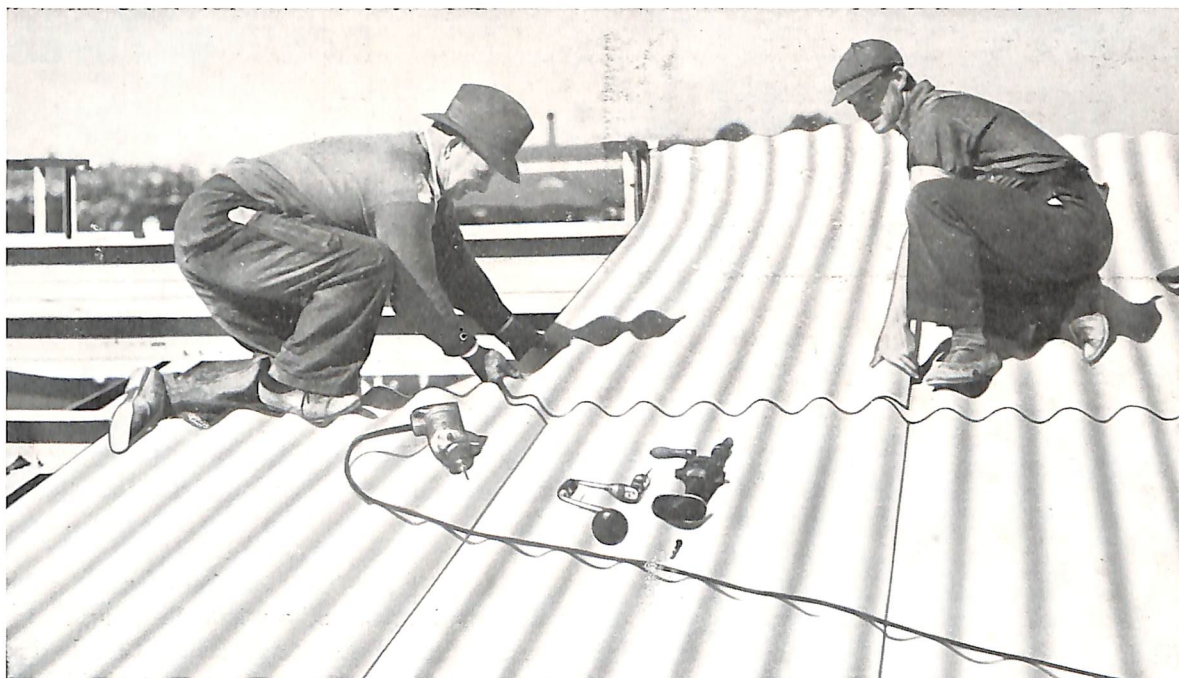
(Left):
PERTH
(Rivervale)



(Right):
MELBOURNE
(Brooklyn)

"FIBROLITE" FACTORIES

JAMES HARDIE & COY. PTY. LTD., SYDNEY, BRISBANE, PERTH, MELBOURNE



Hardie's "Fibrolite" Corrugated Roofing Sheets and Accessories

**Scientific Manufacturing Process and Indestructible
Raw Materials ensure Maximum Durability
and Roof Permanence.**

Hardie's "Fibrolite" Roofing materials are manufactured solely from **Asbestos Fibre and Portland Cement** by specially designed machinery. The material is fabricated by a scientific process which ensures an even distribution and interlacing of the long, tough Asbestos Fibres used as a reinforcement to the cement, resulting in maximum strength throughout the finished structure. The cement "sets" around the Asbestos Fibre, which strongly reinforces the material in the same manner as interwoven steel rods or wires reinforce a concrete wall. As no vegetable matter of any kind is used in its manufacture, Hardie's "Fibrolite" Corrugated Roofing contains nothing to rot, rust, corrode or burn. **It Improves with Age.**

ASBESTOS

Asbestos is one of the most remarkable minerals found in Nature. It has withstood the action of the elements for untold centuries whilst its properties of low thermal conductivity and resistance to the attacks of acids are unique. The oxygen in the air and water, which has such a destructive effect upon organic and metallic materials, leaves Asbestos unaffected. Wood burns—Asbestos withstands fire. Stone disintegrates—Asbestos resists erosion. Steel rusts—Asbestos is immune.

PORTLAND CEMENT

Portland Cement, as is well known, besides being insoluble and weather and fire resisting, possesses the peculiar property of increasing in durability and strength over a long period of time. Engineering authorities agree that cement continually increases in strength over a period of years. To-day, Portland Cement is used throughout the world in all classes of structures where the essential requirements are strength, permanence, fire safety and economy.

Hardie's Genuine "Fibrolite" is a **PERMANENT ROOFING**. Made solely from two indestructible and fire retardant mineral materials, it possesses inherent qualities that enable it to resist the elements and various destructive influences that exist in most industrial works.

Hardie's "Fibrolite" Corrugated Roofing Sheets and Accessories

ADVANTAGES AND CHARACTERISTICS



STRENGTH

"Fibrolite" Corrugated Sheets have ample strength to meet, with a wide margin of safety, the service conditions to which they are subjected.

Tests carried out **under service conditions** are the only reliable guide as to the suitability or otherwise of roofing materials. To enable comparisons to be made the British Standards Association, working in collaboration with the leading British producers and purchasers of asbestos-cement materials, has published a British Standard Specification No. 690, 1936, covering asbestos-cement flat sheets, slates, and corrugated sheets. In this specification the methods of testing and the results required are laid down in such a manner as to provide a definite criterion for the behaviour of roofing sheets under conditions as similar as possible but of greatly increased severity to those which the sheets meet in use on a roof.

Both "Fibrolite" Super-Six and "Fibrolite-Standard" Corrugated Sheets meet the test requirements of the British Standard Specification with a wide margin of surplus strength.

Facilities for the testing of "Fibrolite" Corrugated Sheets to British Standard Specification will be readily made available at our Works to purchasers of our materials and tests made if required in the presence of the purchaser or his representative.

ECONOMICAL:

The dominant outstanding advantages of Hardie's "Fibrolite" are—**Economy and Permanence**. Because it stands up for many years under conditions that cause deterioration in other forms of roofing and requires no painting or other maintenance, Hardie's "Fibrolite" Corrugated Roofing is decidedly economical.

A "Fibrolite" Corrugated Asbestos Cement Roof not only compares favourably in "Initial Cost" with other roofings, but it ensures substantial savings in maintenance costs.

LOWER "COST PER YEAR":

The cost of a roof is ascertained from the consideration of two factors, viz.:—

- (1) The initial outlay; and
- (2) The total amount expended on maintenance during the entire life of the roof.

The sum total of these, divided by the number of years the roof actually gives in service, provides the basis upon which its true cost can be determined.

Estimated on this "cost per year" basis, it will be found that the cost of a "Fibrolite" Corrugated Asbestos Cement Roof is less than that of other roofings. Evidence as to this is furnished by hundreds of "Fibrolite" Corrugated Roofs on factories, industrial works, Government buildings, wharves, engine sheds, picture theatres, hospitals and buildings of all types throughout Australia and New Zealand . . . **roofs fixed over a period of 20 years** and that have been remarkably free of maintenance or renewal costs.

Large industrial concerns and Government departments who keep accurate records of their roofing costs over a period of years know that Hardie's "Fibrolite" Corrugated Roofing assures the longest life and the lowest per annum cost.

RUST-PROOF:

"Fibrolite" Corrugated Roofing is rust-proof and contains nothing to rot, rust or corrode.

PROOF AGAINST SEA-AIR:

"Fibrolite" Corrugated Roofing is impervious to the destructive action of sea-air and therefore offers an important advantage over most materials for roofing buildings adjacent to the sea. It is for this reason that Harbour Boards throughout Australia and New Zealand use such large quantities of "Fibrolite" Corrugated Sheets for roofing important wharf buildings.

RESISTANT TO FUMES:

"Fibrolite" Corrugated Roofing, being composed solely of Portland cement and asbestos fibre, is especially resistant to the corrosive action of most fumes and gases common to industry. In many chemical plants where roofing previously had to be frequently replaced, "Fibrolite" Corrugated Roofing has been in use for many years with no necessity for maintenance or replacement.

PRACTICALLY NOISELESS:

Noise from the roof during heavy rain and hail storms, so noticeable with many roofings, is reduced to a minimum where "Fibrolite" Corrugated Roofing is used. This is an important consideration in deciding the type of roofing to be used for buildings such as theatres, halls, churches, schools, hospitals, etc.

HEAT RESISTANT:

"Fibrolite" Corrugated Roofing is heat resistant and reduces heat transmission to a minimum. Tests carried out reveal that temperatures in buildings roofed with "Fibrolite" Corrugated Sheets are materially lower than in adjacent similar buildings covered with metal roofings. Asbestos is a well-known non-conductor of heat and cold and, owing to the quantity of asbestos used in the manufacture of "Fibrolite" Corrugated Sheets, it naturally follows that buildings roofed with "Fibrolite" are cool in summer and warm in winter. During the hot summer months the reduced temperature of a building roofed with "Fibrolite" is appreciated by workers, resulting in increased efficiency.

ENSURES EQUABLE TEMPERATURES:

"Fibrolite" Corrugated Roofing possesses marked heat insulating properties and low thermal conductivity owing to the quantity of asbestos used in its manufacture. It affords efficient insulation against heat and cold and assists the maintenance of equable temperatures in the interior of a building. This is one of the factors that have contributed to the extensive use of "Fibrolite" Roofing on picture theatres and other air-conditioned buildings where plants are installed for the maintenance of temperatures within defined limits.

MINIMISES CONDENSATION:

With ordinary atmospheric conditions, condensation of moisture under a roof covered with "Fibrolite" Corrugated Sheets is reduced to a minimum.

PLEASING APPEARANCE:

The natural colour of "Fibrolite" Roofing is a pleasing light grey, giving a modern and attractive appearance to any type of building. The light reflecting properties of "Fibrolite" Corrugated Roofing are also of advantage, especially in interiors where the maximum light intensity is desired.

LOW FREIGHT:

"Fibrolite" Corrugated Asbestos Cement Sheets are carried at favourable rates of freight by both rail and steamer. Full particulars regarding the approximate weight and cost of freight on any quantity of "Fibrolite" Corrugated Sheets to any part of Australia will be supplied on request.

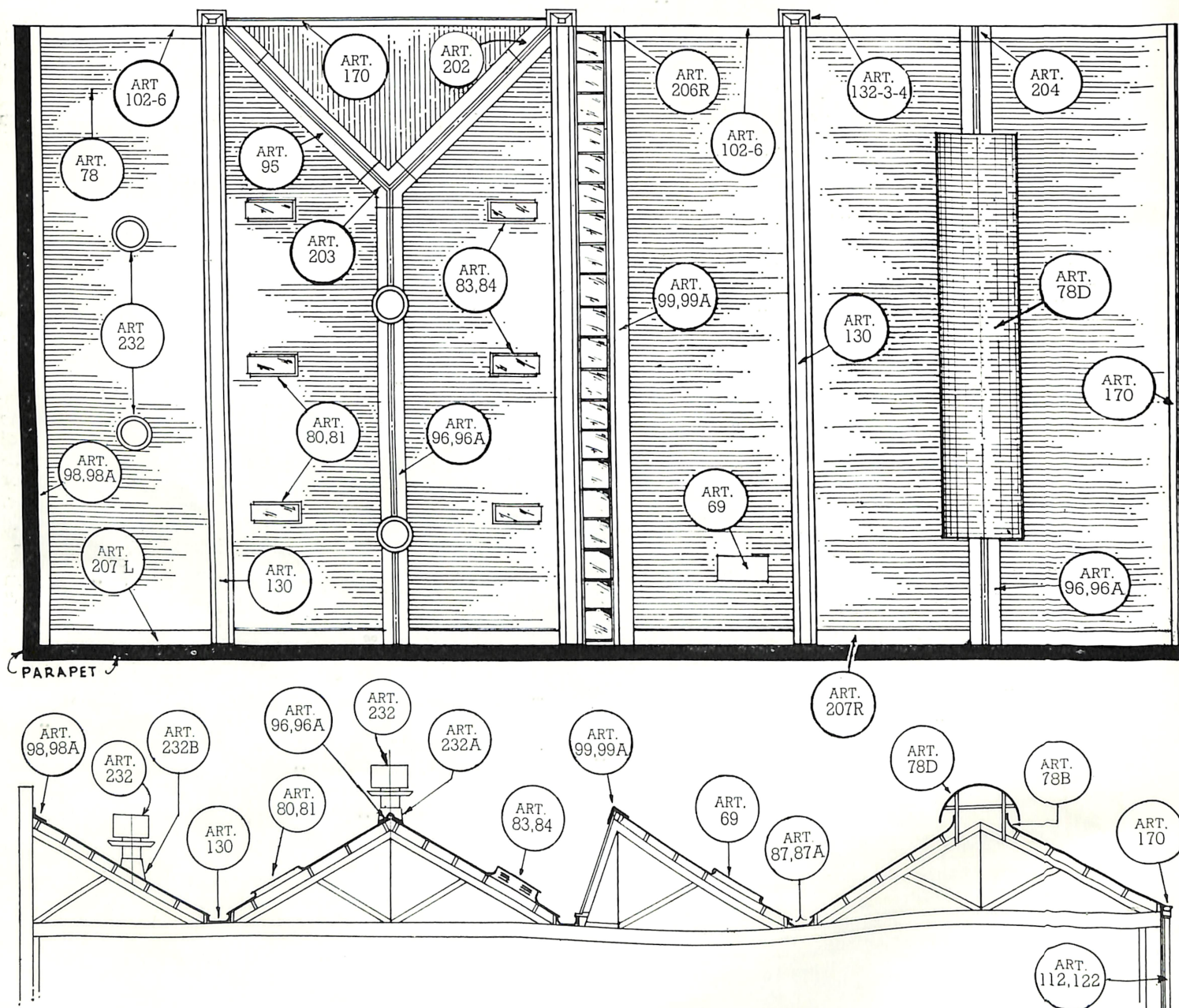
Roof Fixing Service:

With a view to offering a complete service to clients, we maintain a staff of experienced roofing fixers in all capital cities and undertake contracts for supplying and fixing "Fibrolite" Corrugated Sheets in most parts of the Commonwealth. Practically the whole of the "Fibrolite" Roofs illustrated in this catalogue were fixed by our staff to the satisfaction of the clients concerned.

We also maintain a competent staff of experts to advise on all matters relating to roofing, who will be pleased to co-operate with clients in the setting out of roof details and to furnish estimates for "Fibrolite" Corrugated Roofing either supplied and fixed or supplied only.

"Fibrolite" Super-Six

DIAGRAMMATIC ROOF PLAN AND SECTION ILLUSTRATING USES OF



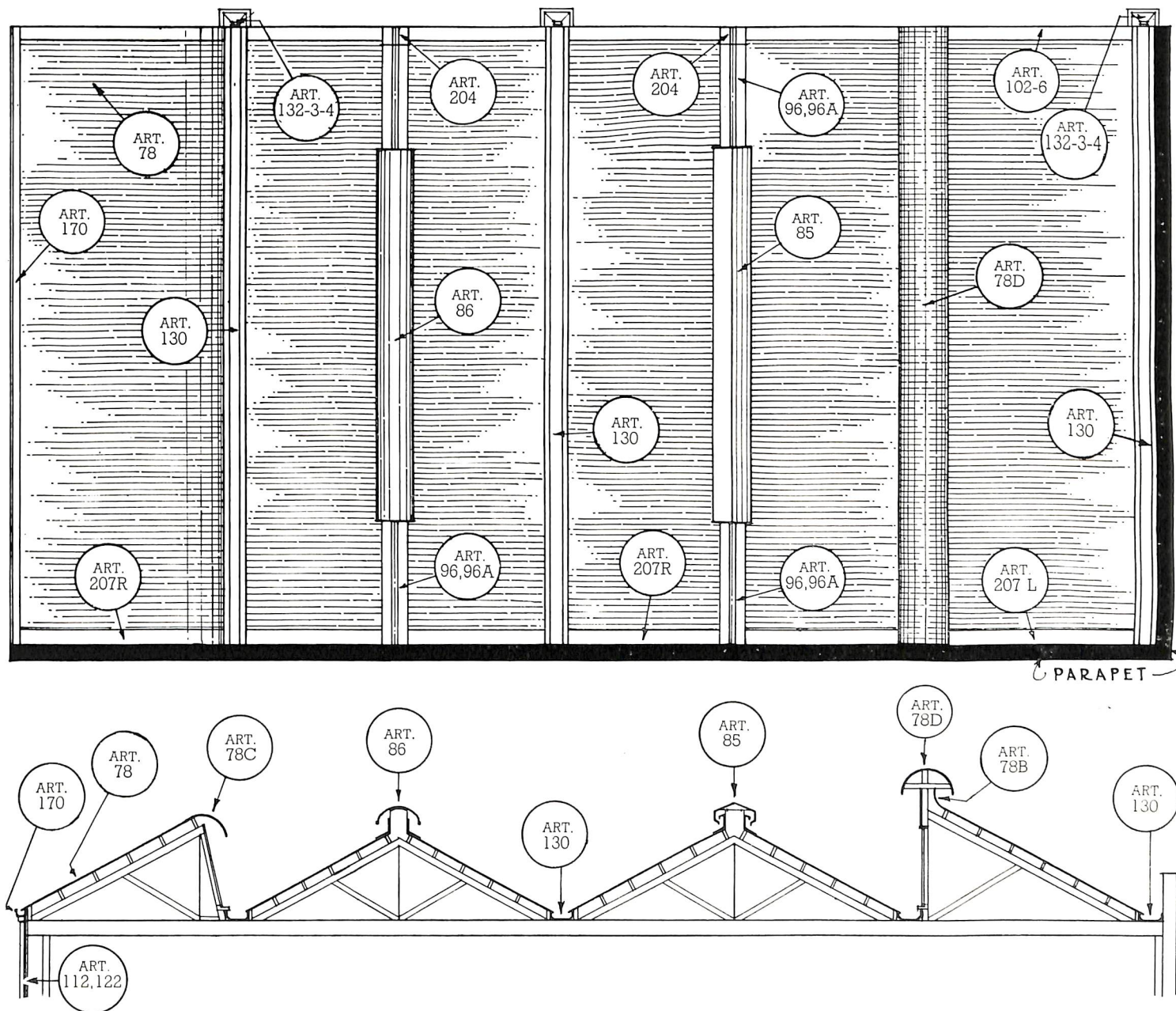
INDEX TO ART. NUMBERS (Sections 1 and 3)

Art. No.	Product	Page	Art. No.	Product	Page
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69	Manhole	44	88, 88A	*Scribed Birdproofing Piece	18
78	Super-Six Sheets	8-12	89	Ventilating Ridge	48
78B, 78C	Super-Six Curved Sheets	13	95	2-Piece Plain Roll Ridging	16
78D	Super-Six Dome Sheets	13	96, 96A	2-Piece Fluted Ridge Capping	15
80-81	Fixed Skylights	14	98, 98A	Fluted Apron Flashing	18
83-84	Louvred Skylights	14	99, 99A	1-Piece Fluted Saw-tooth Ridge Capping	15
85, 86	Ventilating Ridges	48			

* Not shown in Diagrammatic Roof Plan above.

Corrugated Roofing

"FIBROLITE" PRODUCTS DESCRIBED IN SECTIONS 1 AND 3 OF THIS CATALOGUE



INDEX TO ART. NUMBERS (Sections 1 and 3)

Art. No.	Product	Page	Art. No.	Product	Page
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112-126	Downpipes	40-41	205	*Ridge Stop-end Cap	16
130	Box Gutters	35-37	206L, 206R	Ridge Stop-end Cap	16
132-3-4	External Rainheads	36	207L, 207R	Side Flashing	17
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202	Hip Starter	17	232B	Roof Ventilator Slope Base	46 47
203	Apex Cap	17	271, 272	*Vertical Corner Mouldings	44

* Not shown in Diagrammatic Roof Plan above.

SECTION 1

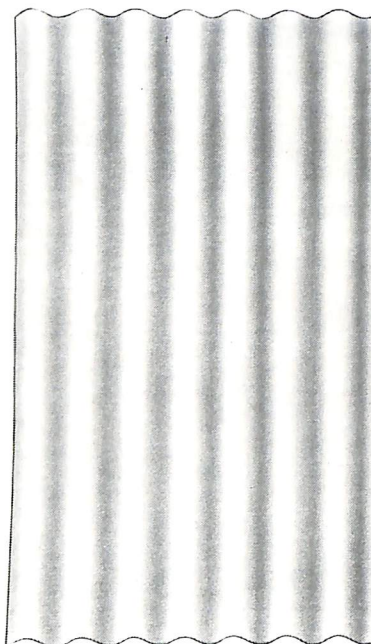
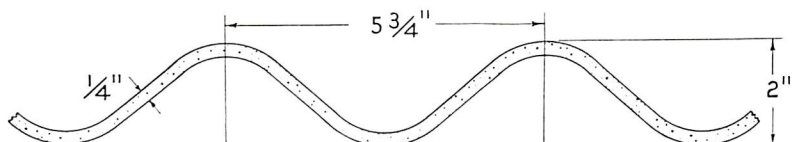
"FIBROLITE" SUPER-SIX

(REGD.)

(LARGE CORRUGATIONS)

Corrugated Roofing and Accessories

NOMINAL DIMENSIONS: Pitch, $5\frac{3}{4}$ ". Overall Depth, 2". Thickness, $\frac{1}{4}$ ".



SIZES AND WEIGHTS:

WIDTH	3' 5½"						
LENGTHS	4' 0"	5' 0"	6' 0"	7' 0"	8' 0"	9' 0"	10' 0"
	4' 6"	5' 6"	6' 6"	7' 6"	8' 6"	9' 6"	
WEIGHT PER SQUARE							
YARD (Uncrated) . . .	25-lbs. (approx.)						
WEIGHT PER SQUARE							
FIXED ON ROOF . . .	2" Side Lap, 320-lbs.				7" Side Lap, 360-lbs.		
	(Varying according to end laps used.)						

General Data: "Fibrolite" Super-Six Sheets—Art. 78

"Fibrolite" Super-Six Corrugated Sheets are manufactured in a width of 3' 5 $\frac{1}{4}$ " for fixing with a nominal side lap of either 2" or 7", as desired.

2" SIDE LAP: Generally suitable for all normal purposes. The majority of Super-Six Roofs illustrated in this Catalogue are fixed with this lap with satisfactory results.

7" SIDE LAP: Used where exceptional conditions exist, such as in areas where dust or grit from adjacent chimneys may cause trouble inside the building, or on low pitched roofs exposed to severe weather conditions. A further precaution against such conditions may be taken by sealing side and end laps by means of a plastic bituminous compound.



Fig. 1: 2" Side Lap Fixing.



Fig. 2: 7" Side Lap Fixing.

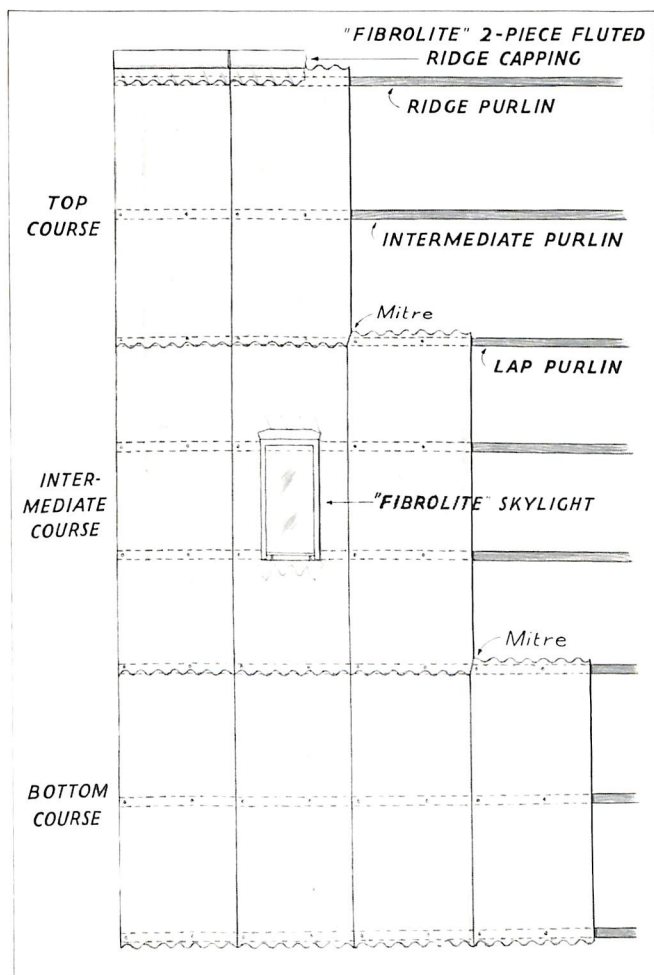


FIG. 3

ROOF PURLIN OR BATTEN SPACINGS:

May be set out up to 48" centres and should be so arranged that the lap purlin or batten will be in centre of lap. Where ridging is used, the top purlin or batten on each side of roof should be so placed as to provide for the fixing of the ridge capping. (See Fig. 3 for position.)

SIDING OR WALL GIRTS:

May be set out up to 48" centres within 10' of floor level and should be so arranged that girt at end lap will be in centre of lap. Above this level, girts may be spaced up to 72" centres, provided side laps are fastened together with 1" x $\frac{1}{4}$ " gutter bolts between girts. Sheets fixed to walls should have 7" side lap.

BATTEN SIZES:

Where battens are used on rafters up to 36" centres, they should not be less than 3" x 1 $\frac{1}{4}$ ". Oregon or soft pine recommended.

PITCH AND END LAP:

For normal positions, an end lap of 6" may be used with a pitch of about 20°. When a lower pitched roof is desired, or in exposed positions, the end lap should be increased.

HIPS:

It is essential that provision be made at all hips to support the rake cut edges of the roofing sheets and the hip ridging at each side of hip rafters.

Instructions for Fixing "Fibrolite" Super - Six Sheets

FIXING SHEETS:

We recommend the mitre method of fixing, as illustrated and described on pages 11 and 12, which gives straight vertical lines, the mitre being covered and invisible when the roof is completed. Particulars are given for fixing Super-Six Sheets from "left to right" and "right to left," so that the laying of the sheets can be commenced at the end of the building from which it is desired to fix.

DEFINITION OF "DIRECTION OF FIXING":

Wherever the words "fixing from left to right" or "fixing from right to left" are used in this catalogue, they refer to the "direction of fixing" as it would appear to an observer standing at the gutter and looking up the roof slope.

The direction in which it is desired to fix the roofing sheets having been determined, the instructions given hereunder should be followed:—

- (a) **Gable and Hip Roofs:** For roofs of this type it is imperative that the fixing of the sheets on both slopes of the roof **be commenced from the same end of the building** in order that "Fibrolite" Super-Six 2-piece Fluted Ridge Capping (Art. 96 or 96a) may be correctly fitted to main ridge.
- (b) **Saw-tooth Roofs:** For roofs of this type "Fibrolite" Super-Six 1-piece Fluted Saw-tooth Ridge Capping (Art. 99 or 99a) is supplied as ordered for:—

(1) Fixing from "left to right"

OR

(2) Fixing from "right to left."

It is therefore necessary to order ridging for saw-tooth roofs (Art. 99 or 99a) for the fixing direction decided upon and to lay the roofing sheets accordingly.

- (c) **Curved Sheets:** For roofs where curved sheets are to be used, "Fibrolite" Super-Six Curved Sheets are supplied suitable for fixing with either 2" or 7" side lap to curvature ordered for:—

(1) Fixing from "left to right"

OR

(2) Fixing from "right to left."

It is necessary to order Curved Sheets to suit the "direction of fixing" and side lap decided upon and to lay the sheets accordingly.

DRILLING HOLES IN SHEETS:

All holes in sheets should be drilled, not punched, the diameter of the hole being about $\frac{1}{16}$ " greater than that of the screw or bolt used. For screws up to 14 gauge and for $\frac{1}{4}$ " bolts, use $\frac{9}{32}$ " drill. The type of drill used may be either an ordinary twist drill or a Cleveland pattern twist bit.

FIXING TO WOOD:

For fixing to wood purlins or battens, galvanised screws are used, together with curved galvanised iron washers and bituminous felt washers, as illustrated on page 34.

Use 3" x 13 gauge screws for single thicknesses.

" 3 $\frac{1}{2}$ " x 14 " " " two "

" 4" x 14 " " " three " and ridging.

A screwdriver bit held in a breast drill or brace is used when screwing, care being exercised not to screw down too tightly.

FIXING TO STEEL PURLINS:

For fixing to steel purlins, hook bolts, bolts and clips, or set bolts of required dimensions are used, together with curved galvanised iron washers and bituminous felt washers, as illustrated on page 34. Care should be exercised not to bolt down too tightly.

POSITION OF SHEETS ON PURLINS:

Sheets should be laid on the roof so that the purlin or batten at the end lap is in the centre of lap.

PLASTIC BITUMEN FOR SCREW and BOLT HOLES:

Before screwing or bolting the sheets to the purlins or battens, the fixings (screws or bolts) should be dipped in plastic bitumen to thoroughly seal the fixing hole in the sheet. When bolts (Figs. 26 and 27, page 34) are inserted from inside the building, the plastic bitumen should be liberally applied to the bolts beneath the iron and bituminous washers.

POSITION OF SCREWS OR BOLTS IN SHEETS:

In fixing "Fibrolite" Super-Six Sheets it is necessary that screws or bolts be used in positions specified hereunder:—

- (a) **When fixed with 2" side lap,** each sheet to be secured at each purlin, batten or girt at **1st and 5th corrugations**, as in Fig. 1, page 9.
- (b) **When fixed with 7" side lap,** each sheet to be secured at each purlin, batten or girt at **2nd and 5th corrugations**, as in Fig. 2, page 9.

Instructions for Fixing "Fibrolite" Super-Six Sheets—(Continued).

Method of Making Mitre Cut

Before making mitre cut, it is necessary to decide whether the sheets are to be fixed "left to right" or "right to left."

"LEFT TO RIGHT" FIXING SHEETS SMOOTH FACE UPWARD

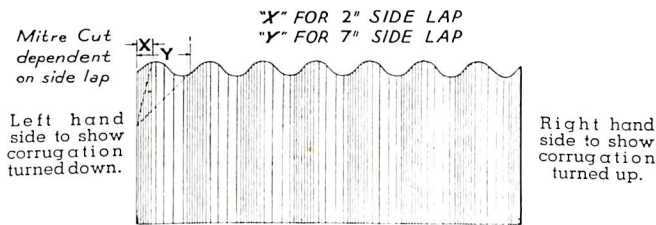


FIG. 4

"RIGHT TO LEFT" FIXING SHEETS SMOOTH FACE UPWARD

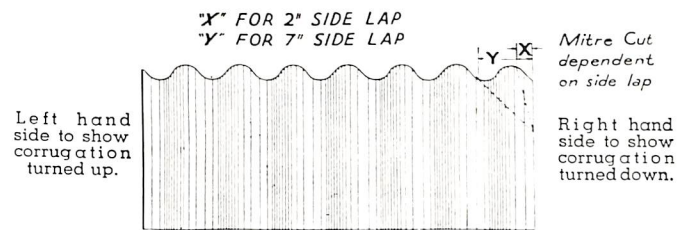


FIG. 5

NOTE: Do not cut any sheets before carefully studying directions on pages 10, 11 and 12.

To avoid errors in cutting and consequent waste of material, it is advisable to prepare a template to which the sheets are cut. Taking as an example a roof to be covered with sheets fixed from "left to right," with 2" side lap, and 9" end lap, the template sheet for the mitre cuts is prepared as follows:—

Lay one sheet A on a level floor or ground with smooth face upwards and the turned-down side on your left, as shown in Fig. 4. Lay a second sheet B on the ground with smooth face upwards, turned down side on your left, so that the **top left-hand corner** of B overlaps the **bottom right-hand corner** of A, Fig. 6.

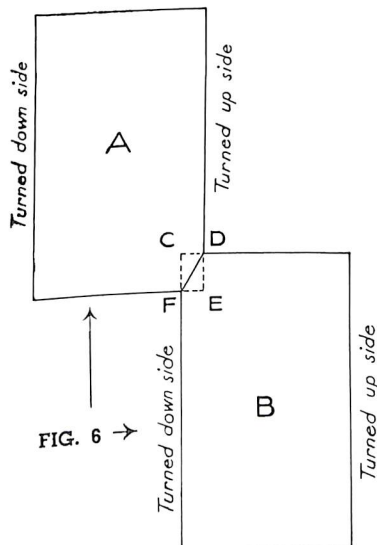


FIG. 6 →

The two sheets overlap as shown at CDEF. The distance CD or FE is equal to the required side lap (in this case 2"), and care should be taken to see that sheet B is so placed that it takes the correct position required by the side lap to be given (in this case 2", as shown by Fig. 1, page 9).

For 7" side lap, follow same procedure, but lap sheets as shown in Fig. 2, page 9.

The distance CF or DE is equal to the end lap required, in this case 9".

For end laps other than 9", adjust the distance CF and DE in accordance with the end lap required.

Now join the line FD and cut accurately along this line through both sheets. The sheets will then appear as in Fig. 7.

The small triangular piece cut from each sheet is discarded.

Now lay sheet B over top of sheet A, with the top and side edges in line, and using the cut corner of B as a guide, cut off the top left-hand corner of A.

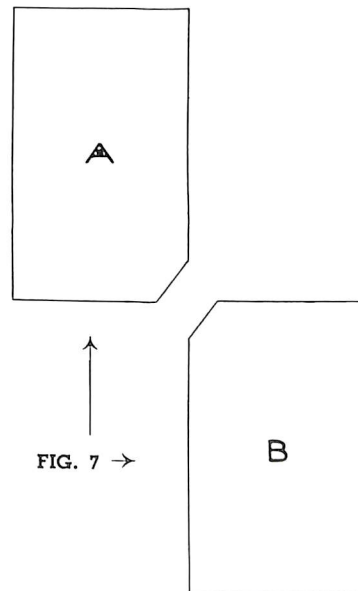


FIG. 7 →

Do not mitre-cut any sheets before studying instructions.

Sheet A will then appear as in Fig. 8, and should be used as a template for all mitre cuts required on the sheets for 2" side lap and 9" end lap, fixed from "left to right." The sheets for this roof slope are mitre cut by using this template to mark off both or either of the corners for cutting as required in accordance with the fixing instructions on page 12.

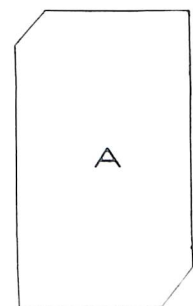


FIG. 8

To prepare a template for the mitre cut on sheets to be fixed "right to left": Proceed as above, but lay the sheets on the ground with smooth face upwards with the turned-down side on your right, as shown in Fig. 5, and lay sheet B so that its top right-hand corner overlaps the bottom left-hand corner of A.

Instructions for Fixing "Fibrolite" SUPER-SIX Sheets—(Continued)



FIG. 9



FIG. 10



FIG. 11



FIG. 12



FIG. 13



FIG. 14



FIG. 15



FIG. 16

"LEFT TO RIGHT" FIXING.

Bottom Course: For the bottom course, all sheets, with the exception of the left-hand or starting sheet, should be mitre-cut at the left-hand top corner **only** as in Fig. 10. The left-hand or starting sheet is laid without cutting as in Fig. 9.

Intermediate Courses: For all intermediate courses, that is, those between bottom and top courses, all sheets, with the exception of the left-hand or starting sheet, and the right-hand or finishing sheet, should be mitre-cut at both left-hand top corner and right-hand bottom corner as in Fig. 12. The left-hand or starting sheet is mitre-cut at right-hand bottom corner **only** as in Fig. 11 and the right-hand or finishing sheet should be mitre-cut at top left-hand corner **only** as in Fig. 10.

Top Course: For the top course, all sheets, with the exception of that on the right-hand or finishing end, should be mitre-cut at bottom right-hand corner **only**, as in Fig. 11. The right-hand or finishing sheet is laid without cutting as in Fig. 9.

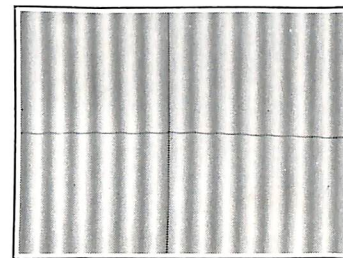
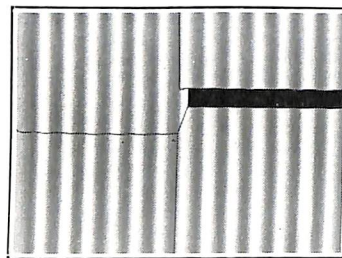
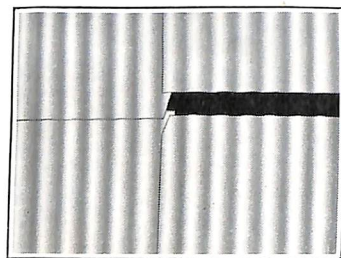
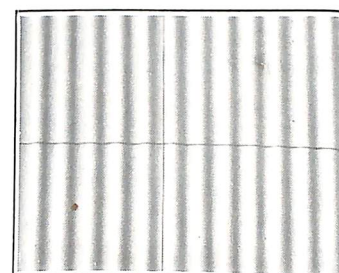
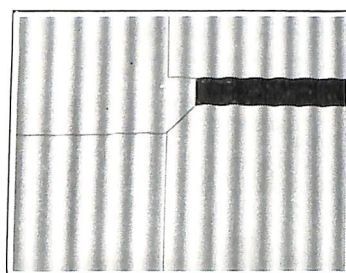
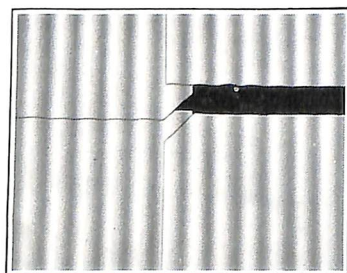
"RIGHT TO LEFT" FIXING.

Bottom Course: For the bottom course, all sheets, with the exception of the right-hand or starting sheet, should be mitre-cut at the right-hand top corner **only** as in Fig. 15. The right-hand or starting sheet is laid without cutting as in Fig. 16.

Intermediate Courses: For all intermediate courses, that is, those between bottom and top courses, all sheets, with the exception of the right-hand or starting sheet and the left-hand or finishing sheet, should be mitre-cut at both right-hand top corner and left-hand bottom corner as in Fig. 13. The right-hand or starting sheet is mitre-cut at left-hand bottom corner **only** as in Fig. 14 and the left-hand or finishing sheet should be mitre-cut at top right-hand corner **only** as in Fig. 15.

Top Course: For the top course, all sheets, with the exception of that on the left-hand or finishing end, should be mitre-cut at bottom left-hand corner **only**, as in Fig. 14. The left-hand or finishing sheet is laid without cutting as in Fig. 16.

Instructions for cutting mitres, given above, cover the cases of roofs where either "Fibrolite" Plain-sided Ridging (Art. 95) is used on the ridge, or where ridging is not required. In cases where 2-piece Fluted Ridging (Art. 96 or 96a), 1-piece Fluted Saw-tooth Ridging (Art. 99 or 99a), or Fluted Apron Flashing (Art. 98 or 98a) is used on the ridge or at the head of the roof slope, an additional mitre cut is required on the top course of sheets. Instructions for making this mitre cut are given on page 19.

Mitre-Cut Corners of "Fibrolite" Super-Six Sheets for "Left-to-Right" Fixing.**2" SIDE LAP.****7" SIDE LAP.**

Corner drawn apart.

Upper mitred sheet on left moved into place.

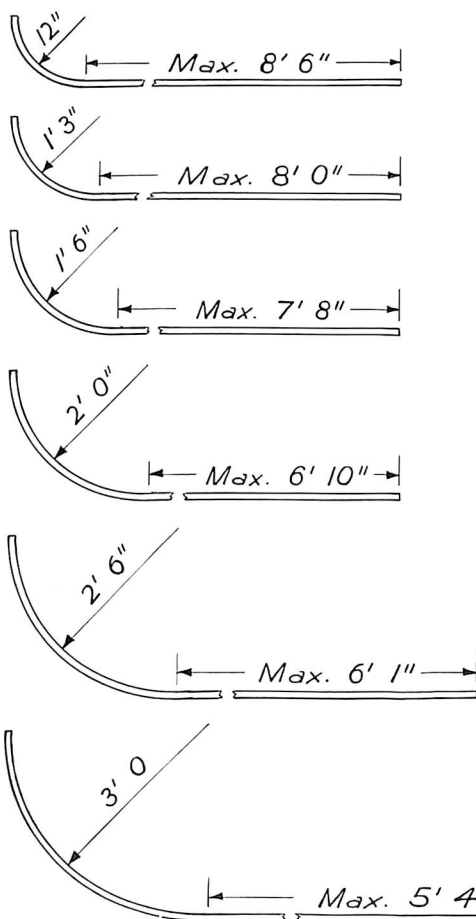
Complete corner.

Note the vertical as well as horizontal laps form continuous straight lines.

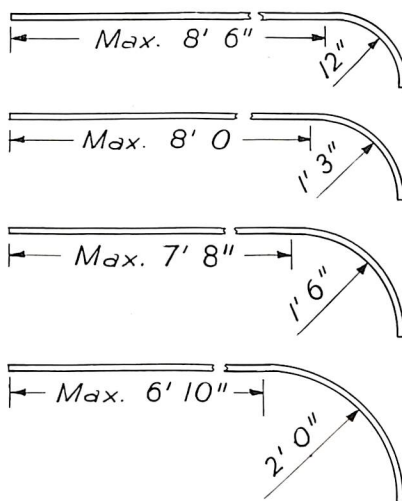
"Fibrolite" Super-Six Curved Sheets.—Art. 78A

Illustrations hereunder show typical curves to which "Fibrolite" Super-Six Corrugated Sheets are regularly manufactured to order. Smaller segments of any of the curves shown, or special curves to detail, can also be manufactured to suit design of roof. Full particulars on application.

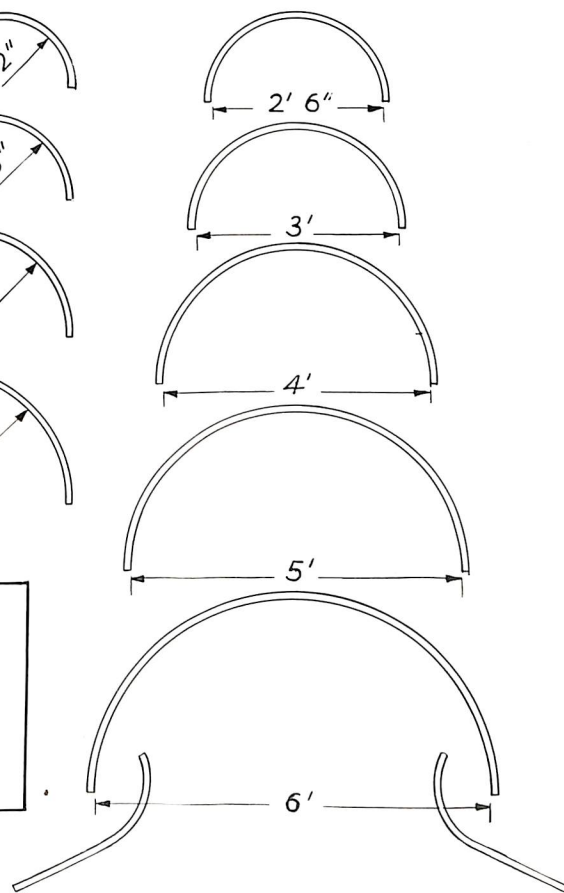
ART. 78B. (Curved up).



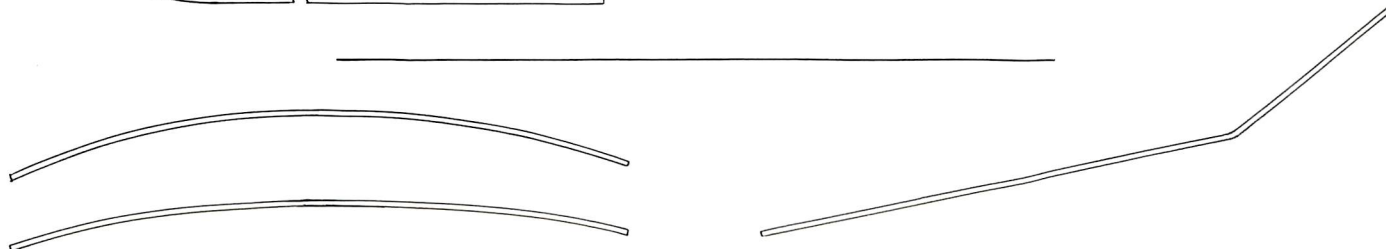
ART. 78C. (Curved down).



ART. 78D. (Dome Sheets).



ALL RADII
ARE INSIDE
MEASUREMENT



Typical kinked and cambered sheets manufactured to detail as required.

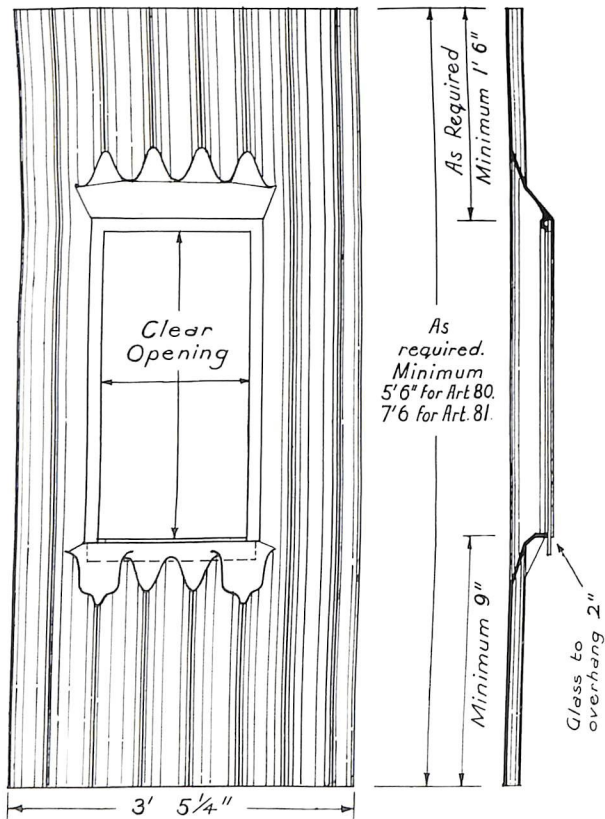
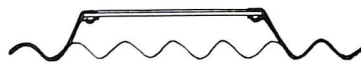
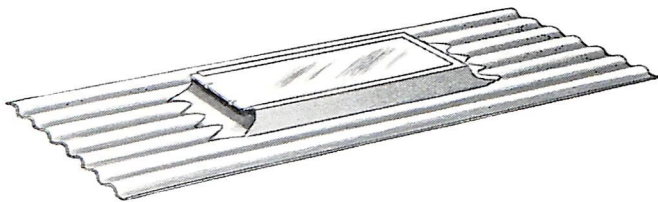
ORDER BY ART. No. AND STATE:—

- (a) Whether required for fixing with 2" or 7" side lap.
- (b) For Sheets Curved at One End Only: (1) Inside radius of curve.
(2) Overall length of sheet and length of straight portion.
(3) Whether required for "left to right" or "right to left" fixing.
- (c) For Dome Sheets: (1) Inside radius of curve. (2) Overall length of sheet.

"Fibrolite" Super-Six Skylights

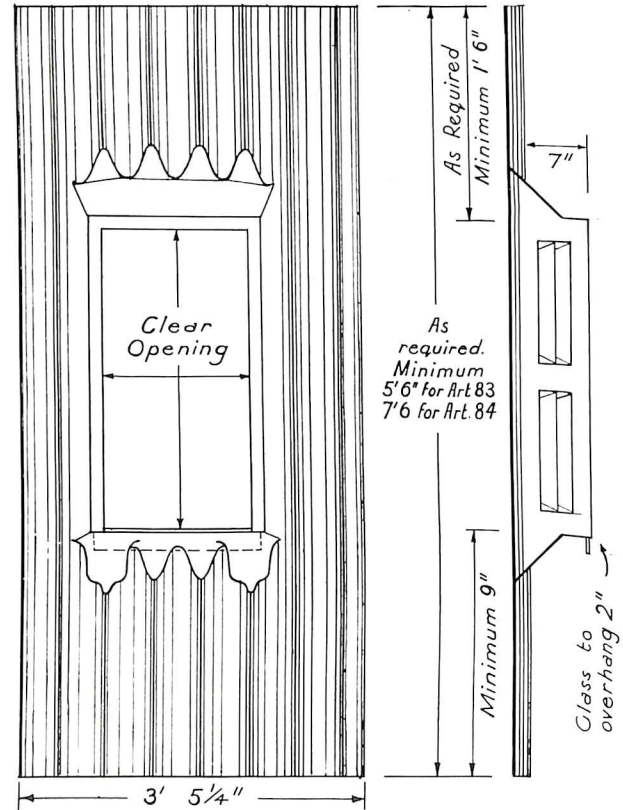
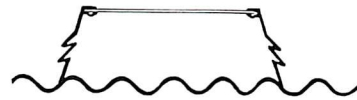
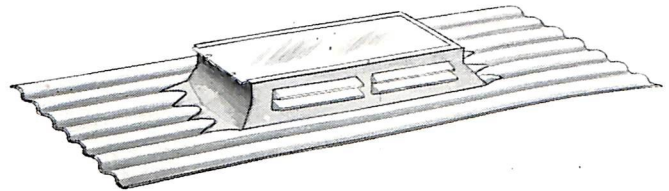
Manufactured for use with "Fibrolite" Super-Six Corrugated Sheets, with opening in position to suit requirements in accordance with details. Supplied unglazed; $\frac{1}{4}$ " wired glass supplied for glazing if specially ordered.

Fixed Skylights.—Art. 80 and 81.



	Clear Opening.	Size of Glass.
ART. 80:	3' 2" x 1' 6"	3' 6" x 1' 9" x $\frac{1}{4}$ "
ART. 81:	5' 0" x 1' 6"	5' 4" x 1' 9" x $\frac{1}{4}$ "

Louvred Skylights.—Art. 83 and 84.



	Clear Opening.	Size of Glass.
ART. 83:	3' 2" x 1' 6"	3' 6" x 1' 9" x $\frac{1}{4}$ "
ART. 84:	5' 0" x 1' 6"	5' 4" x 1' 9" x $\frac{1}{4}$ "

ORDER BY ART. No. AND STATE:—

- (a) Overall length of sheet; (b) Size of opening; (c) Position of light;
(d) Whether required for "left to right" or "right to left" fixing.

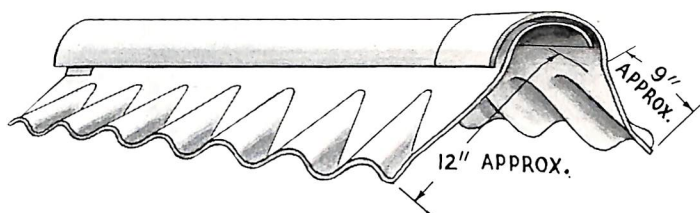
Super-Six 2-Piece Fluted Ridge Capping

Art. 96 and 96A

(REGISTERED DESIGN No. 16708)

For Ridge Only—Not Suitable for Hips. Nominal Thickness, $\frac{3}{16}$ ".

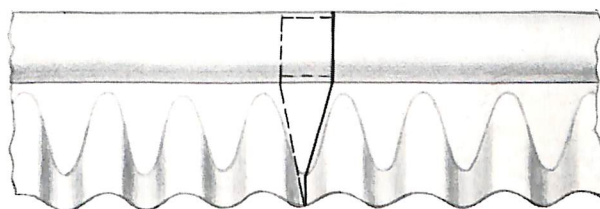
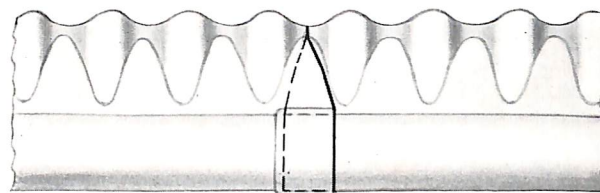
A close-fitting, adjustable 2-piece fluted ridge capping for "Fibrolite" Super-Six Sheets to suit any pitch of roof. The improved design of this ridge capping permits of a neater job being made at the laps. Supplied for fixing with either 2" side lap (use Art. 96) or 7" side lap (use Art. 96A).



ART. 96: For use with sheets fixed with 2" side lap. Lengths $3' 6\frac{1}{2}"$, nett cover $3' 3\frac{1}{2}"$.

ART. 96A: For use with sheets fixed with 7" side lap. Lengths $3' 1\frac{1}{4}"$, nett cover $2' 10\frac{1}{4}"$.

Note: When using this ridge capping, fixing of both slopes of roofing sheets must be commenced from same end of building. The inner roll of the ridging is fixed on the side of the roof laid from "right to left" and the outer roll on the side of the roof laid from "left to right."



Plan view showing method of lapping the sections of "Fibrolite" 2-Piece Fluted Ridge Capping. Note that a mitre cut is required at the top corner of the roofing sheets. Instructions for making this mitre cut are given on page 19.

ORDER BY ART. No.

Super-Six 1-Piece Fluted Saw-Tooth Ridge Capping

Art. 99 and 99A

(REGISTERED DESIGN No. 16841)

Nominal Thickness, $\frac{3}{16}$ ".

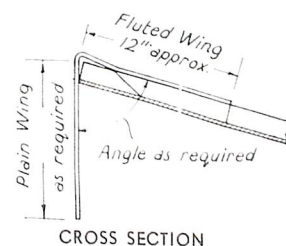
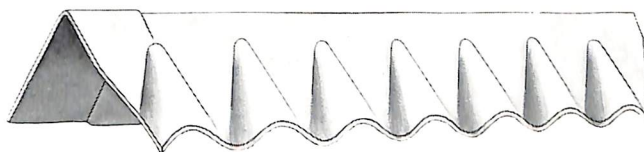
A close-fitting, fixed angle ridge capping with fluted wing 12" and plain wing to required dimensions. Manufactured to order to suit any pitch.

ART. 99: For use with sheets fixed with 2" side lap. Lengths $3' 6\frac{1}{2}"$, nett cover $3' 3\frac{1}{2}"$.

ART. 99A: For use with sheets fixed with 7" side lap. Lengths $3' 1\frac{1}{4}"$, nett cover $2' 10\frac{1}{4}"$.

ORDER BY ART. No. AND STATE:—

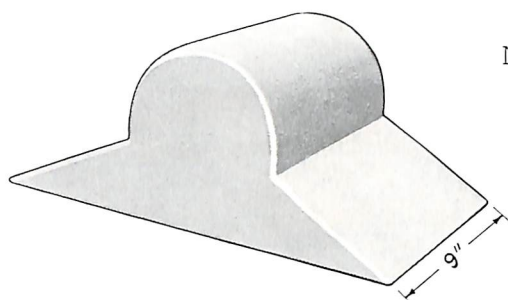
- | | |
|------------------------------------|---|
| (a) Effective depth of plain wing. | (c) Whether required for "left to right" or "right to left" fixing. |
| (b) Angle at apex. | |



CROSS SECTION

Note: This ridging must be fixed in same direction as that in which roofing sheets are laid and ordered accordingly. The overlapping top corner of the roofing sheets is to be mitred in accordance with instructions given on page 19.

Stop-End Cap.—Art. 204.



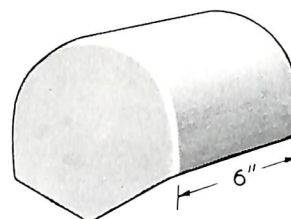
Nominal Thickness, $\frac{3}{16}$ ".

For junction of 2-piece Fluted Ridge Capping (Art. 96 or 96A) and "Fibrolite" Barge Mouldings (see page 43).

ORDER BY ART. No. AND STATE:—

- (a) Pitch of ridge.
- (b) Details of Barge Moulding with which to be used.

Stop-End Cap. Art. 205.



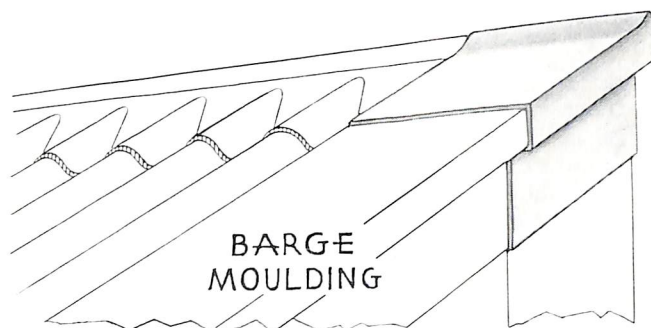
For 2-piece Fluted Ridge Capping (Art. 96 or 96A). Suitable for any pitch of ridge.

ORDER BY ART. No.

Stop-End Cap.—Art. 206L and 206R.

Nominal Thickness, $\frac{3}{16}$ ".

For 1-piece Fluted Ridge Capping for saw-tooth roofs (Art. 99 or 99A).



Supplied to suit type of barge moulding with which to be used (see page 43).

Illustration shows Stop-end Cap for Barge Moulding (Art. 103).

ART. 206L: Stop-end Cap for left-hand end of roof.

ART. 206R: Stop-end Cap for right-hand end of roof.

ORDER BY ART. No. AND STATE:—

- (a) Pitch and size of ridging with which to be used.
- (b) Whether for left-hand end or right-hand end of roof.
- (c) Details of barge moulding with which to be used.

2-Piece Plain Roll Ridging. Art. 95.

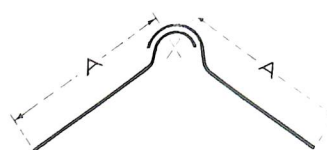
Nominal Thickness, $\frac{3}{16}$ ".

An adjustable ridge capping with plain wings for covering hips or main ridge of "Fibrolite" Corrugated roofs.

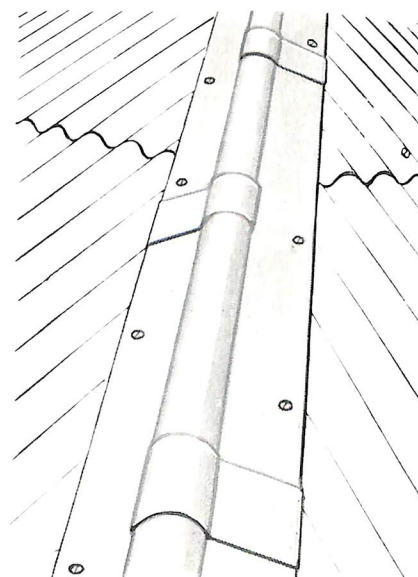
Stock sizes (A): 8" x 8" 9" x 9" 10" x 10" 12" x 12"

Length: 6' (nett cover 5' 6").

NOTE: This ridging should be bedded in compo. as per specification for Hip Capping, page 51. In fixing this ridging, joints on opposite sides are staggered as shown in illustration.



CROSS SECTION.



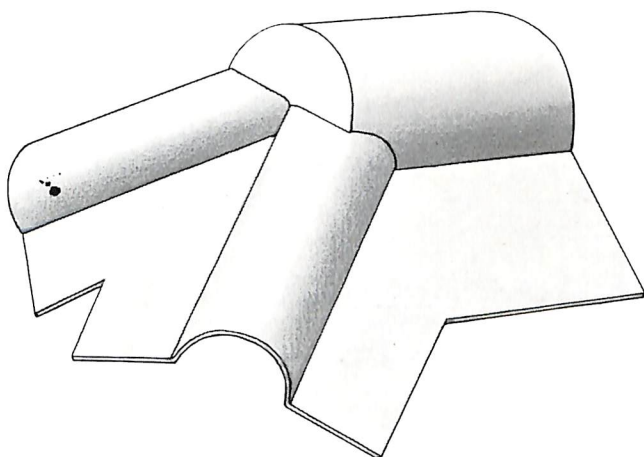
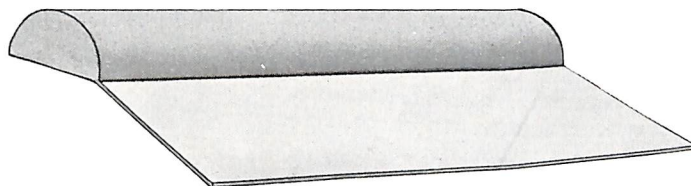
ORDER BY ART No. AND STATE SIZE REQUIRED.

"Fibrolite" Hip Starter—Art. 202

Nominal Thickness, $\frac{3}{16}$ "

For 2-Piece Plain Roll Ridging (Art. 95).

ORDER BY ART. No. and state size of ridging with which to be used.



Apex Cap—Art. 203

Nominal Thickness, $\frac{3}{16}$ "

For covering intersection of 2-Piece Fluted Ridge Capping (Art. 96 or 96a) on main ridge and 2-Piece Plain Roll Ridging (Art. 95) on hips.

ORDER BY ART. No. AND STATE:—

- (a) Pitch of ridge.
- (b) Pitch of end slope.
- (c) Size of 2-Piece Plain Roll Ridging to be used on hips.

"Fibrolite" Side Flashing—Art. 207L and 207R.

Nominal Thickness, $\frac{1}{4}$ ".

For flashing sides of Super-Six Sheets at parapet walls to take lead overflashing.

ART. 207L: Side flashing with **left-hand** socket for use at **left-hand** end of roof.

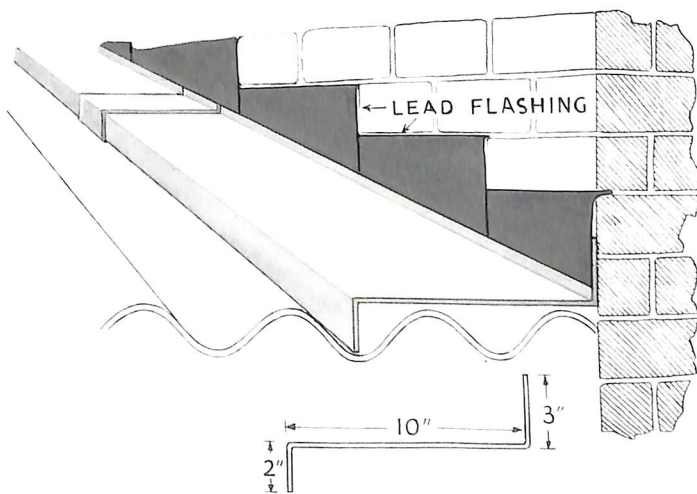
ART. 207R (Illustrated): Side flashing with **right-hand** socket for use at **right-hand** end of roof.

Note: The socket is cut off the bottom or starting length in each case.

LENGTHS: 8' 4" to cover 8'.

ORDER BY ART. No. AND STATE:—

- (a) Number of lengths required with left-hand socket.
- (b) Number of lengths required with right-hand socket.



If turned down edge of flashing does not meet centre of valley of corrugation, trim to meet side slope or crown as necessary.

Super-Six Fluted Apron Flashing—Art. 98 and 98A

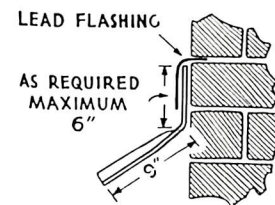
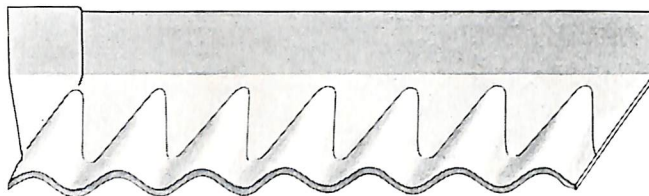
(REGISTERED DESIGN No. 16842)

Nominal Thickness, $\frac{3}{16}$ "

For underflashing on "Fibrolite" Super-Six Roofs to take lead overflashing. Can only be used where line of intersection of abutment is square with roof corrugations. In fixing this apron flashing, the overlapping top corner of the roofing sheets is to be mitred in accordance with instructions given on page 19.

ART. 98: For use with sheets fixed with 2" side lap. Lengths 3' 6½", nett cover 3' 3½".

ART. 98A: For use with sheets fixed with 7" side lap. Lengths 3' 1¼", nett cover 2' 10¼".



ORDER BY ART. No. AND STATE:—

- (a) Pitch of roof.
(b) Height of plain wing required.

- (c) Whether required for fixing "left to right" or "right to left."

End Section
"Fibrolite"
Apron Flashing.

Super-Six Fluted Gutter Flashing—Art. 87 and 87A

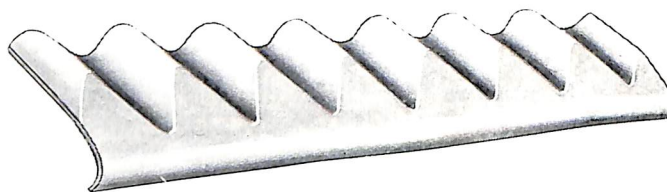
Designed to fit any pitch of roof. Nominal thickness, $\frac{3}{16}$ ". Length of fluted wing, 9".

For flashing gutters at roof slopes covered with "Fibrolite" Super-Six Sheets. Also acts as birdproofing.

ART. 87: For use with sheets fixed with 2" side lap. Lengths 3' 3½", for butt joints.

ART. 87A: For use with sheets fixed with 7" side lap. Lengths 2' 10¼", for butt joints.

In laying this gutter flashing, the lower edge of the turned-down portion should be so adjusted that it bears lightly against the inside of the gutter. This gutter flashing is fixed without overlapping joints.



ORDER BY ART. No. AND STATE:—

- (a) Side lap of roofing sheets with which to be used.

- (b) Whether required for fixing "left to right" or "right to left."

"Fibrolite" Scribed Birdproofing Piece—Art. 88 and 88A

Flat serrated type, suitable for fixing to wood only. Nominal thickness, $\frac{3}{16}$ ".

Used for closing corrugations of "Fibrolite" Super-Six Sheets at eaves.

This Birdproofing Piece is fixed without overlapping joints.



ART. 88: For use with sheets fixed with 2" side lap. Lengths 3' 3½", for butt joints.



ART. 88A: For use with sheets fixed with 7" side lap. Lengths 2' 10¼", for butt joints.

ORDER BY ART. No. and state depth required at "Z."

General Instructions for Fixing "Fibrolite" Super-Six Fluted Ridgings and Fluted Apron Flashing.

"Fibrolite" Super-Six 2-Piece Fluted Ridge Capping (Art. 96 and 96A), 1-Piece Fluted Saw-tooth Ridge Capping (Art. 99 and 99A) and Fluted Apron Flashing (Art. 98 and 98A), are designed to give a close-fitting joint which requires a mitre cut on the overlapping top corner of the roofing sheets in the top course.

To mark off this mitre cut, lay in position on the roof at least two vertical rows of roofing sheets which have been fixed in accordance with the instructions given on pages 11 and 12. Then place in position over these sheets the ridge capping or apron flashing to be used. The position of the mitre cut will then be obvious from the position which the ridging takes up on the sheets. One sheet of the top course, which has been mitre cut in this manner, may then be used as a template to mark off the remainder of the sheets to be used in the top course.

The following points should be noted in connection with this mitre cut:—

- (1) On sheets fixed from "left to right," the **overlapping top left-hand corner** of the roofing sheets is mitred for the ridging, and for sheets fixed from "right to left," the **overlapping top right-hand corner** of the roofing sheets is mitred for the ridging.
- (2) The amount of material cut off in making the mitre cut for fluted ridging and apron flashing is the same whether the sheets are laid with 2" or 7" side lap.

In case of Super-Six 2-Piece Fluted Ridging, the Outer Roll portion is fixed from **left to right**, and the Inner Roll portion from **right to left**, and each must be used on sheets fixed in a similar direction, and the ridging as a whole must be laid from that end of the building from which the laying of the sheets was commenced.

Note: "Fibrolite" 1-Piece Fluted Saw-tooth Ridge Capping (Art. 99 and 99A) and "Fibrolite" Fluted Apron Flashing (Art. 98 and 98A), are fixed in the same manner as the inner or outer roll of "Fibrolite" 2-Piece Fluted Ridge Capping (Art. 96 and 96A), depending on the direction of fixing.

"Fibrolite" 2-Piece Fluted Ridge Capping Art. 96 and 96A.

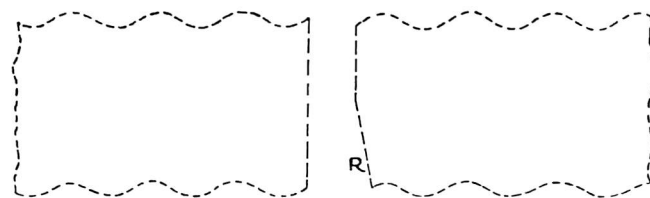


FIG. 81: Showing mitre cut at top of sheets to take Inner Roll of ridging. Cut edge "R" of sheet fits against mitred edge "S" of ridging.

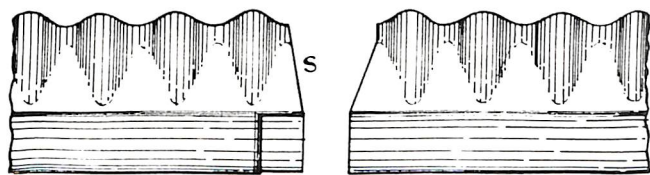


FIG. 82: Sections of Inner Roll drawn apart.

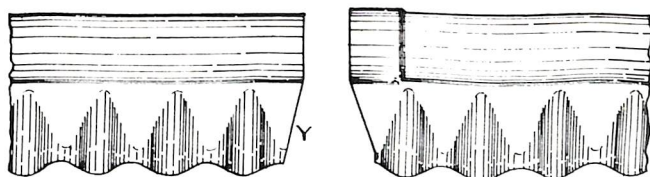


FIG. 83: Sections of Outer Roll drawn apart.

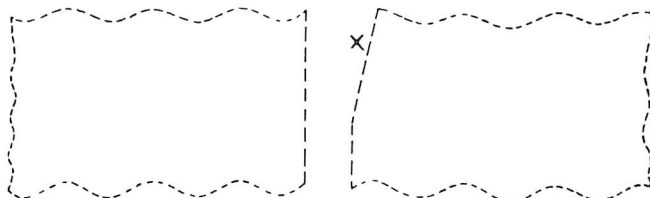


FIG. 84: Showing mitre cut at top of sheets to take Outer Roll of ridging. Cut edge "X" of sheet fits against mitred edge "Y" of ridging.

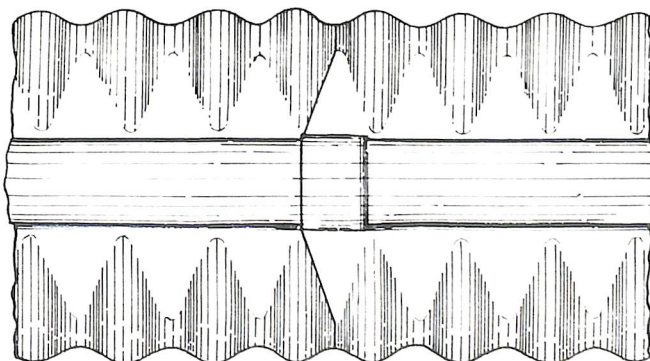
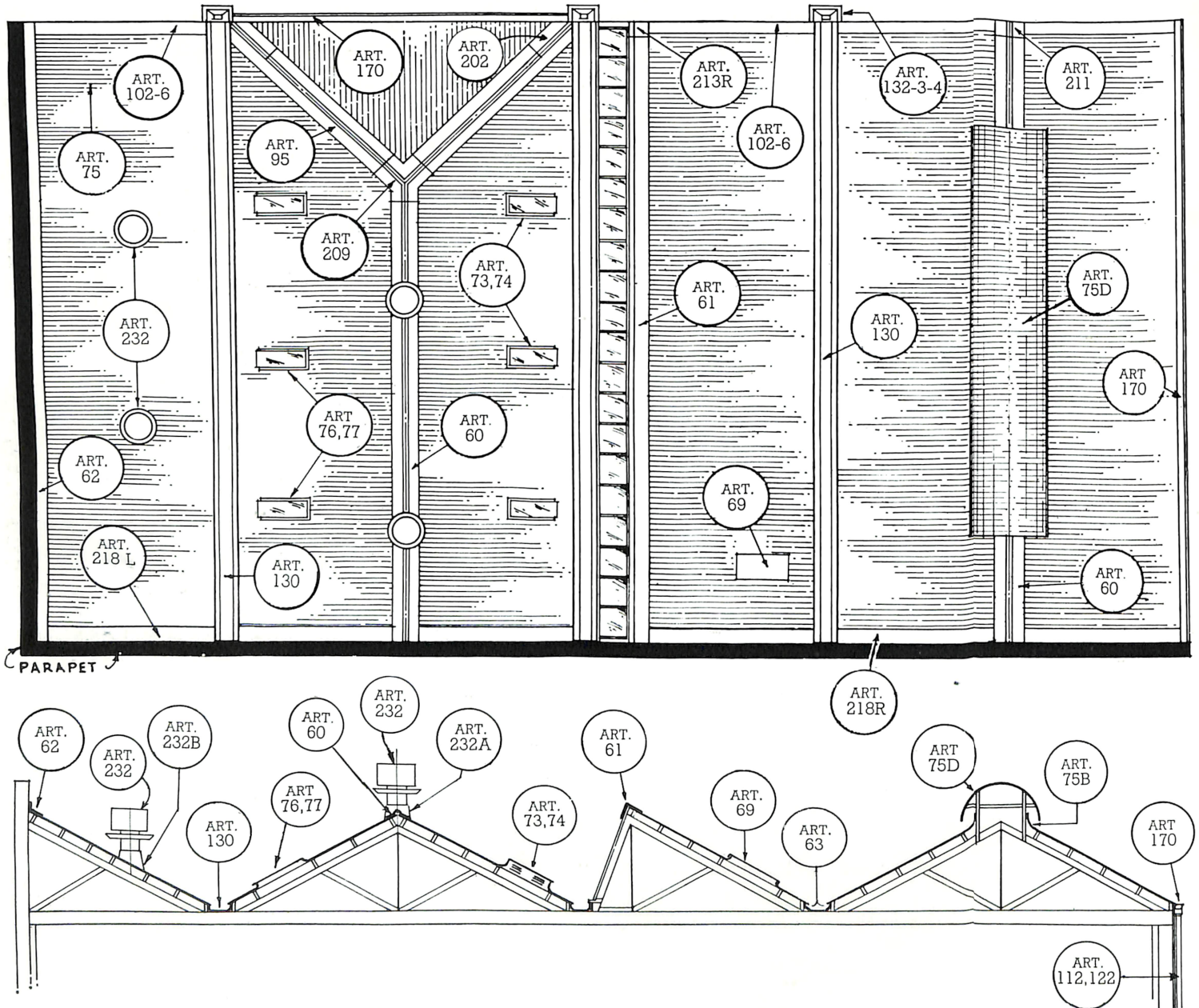


FIG. 85: Joint assembled.

"Fibrolite-Standard"

DIAGRAMMATIC ROOF PLAN AND SECTION ILLUSTRATING USES OF



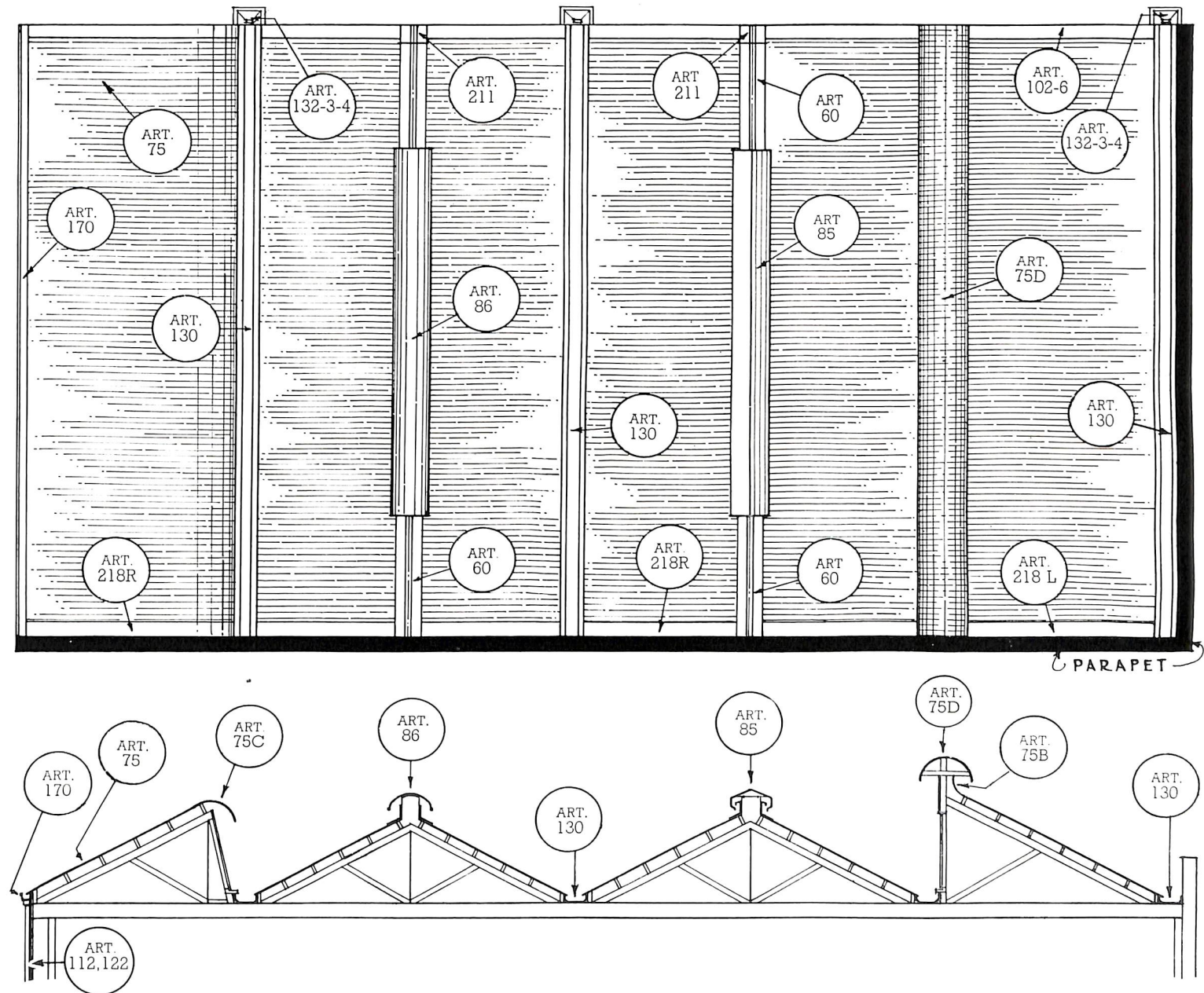
INDEX TO ART. NUMBERS (Sections 2 and 3)

Art. No.	Product	Page	Art. No.	Product	Page
49-54	*Louvre Blades	49	75B, 75C	"Fibrolite-Standard" Curved Sheets..	27
60	2-Piece Fluted Ridge Capping	29	75D	"Fibrolite-Standard" Dome Sheets	27
61	1-Piece Fluted Saw-tooth Ridge Capping	29	76, 77	Fixed Skylights	28
62	Fluted Apron Flashing	33	85, 86	Ventilating Ridges	48
63	Fluted Gutter Flashing	33	89	*Ventilating Ridge	48
69	Manhole	44	92	*1-Piece Plain Angular Fidding	32
73, 74	Louved Skylights	28	95	2-Piece Plain Roll Ridging	30
75	"Fibrolite-Standard" Sheets	22-26	102-106	Barge Mouldings	43
			112-126	Downpipes	40-41

* Not shown in Diagrammatic Roof Plan above.

Corrugated Roofing

"FIBROLITE" PRODUCTS DESCRIBED IN SECTIONS 2 AND 3 OF THIS CATALOGUE



INDEX TO ART. NUMBERS (Sections 2 and 3)

Art. No.	Product	Page	Art. No.	Product	Page
130	Box Gutters	35-37	212	*Ridge Stop-end Cap	30
132-3-4	External Rainheads	36	213L, 213R	Ridge Stop-end Cap	30
170, 171	Eaves Gutters	38-39	214-217	*Ridge Stop-end Caps	31-32
177	*External Rainhead for Eaves Gutters	38	218L, 218R	Side Flashing	33
202	Hip Starter	31	232	Roof Exhaust Ventilators	46-47
208	*Apex Cap	31	232A	Roof Ventilator Ridge Base	46-47
209	Apex Cap	31	232B	Roof Ventilator Slope Base	46-47
210	*Apex Cap	32	270, 272	*Vertical Corner Mouldings	44
211	Ridge Stop-end Cap	30			

* Not shown in Diagrammatic Roof Plan above.

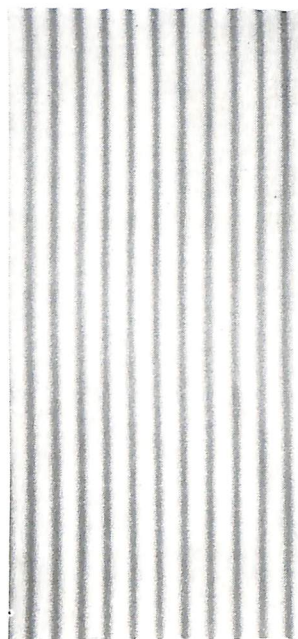
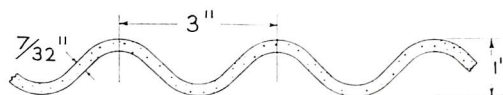
SECTION 2

"FIBROLITE-STANDARD"

(SMALL CORRUGATIONS)

Corrugated Roofing and Accessories

NOMINAL DIMENSIONS: Pitch, 3". Overall Depth, 1". Thickness, $\frac{7}{32}$ ".



SIZES AND WEIGHTS:

WIDTH	2' 7½"						
LENGTHS	4' 0"	5' 0"	6' 0"	7' 0"	8' 0"	9' 0"	10' 0"
	4' 6"	5' 6"	6' 6"	7' 6"	8' 6"	9' 6"	
WEIGHT PER SQUARE							
YARD (Uncrated) . . .	22½-lbs. (approx.)						
WEIGHT PER SQUARE							
FIXED ON ROOF . . .	290-lbs., varying according to end laps used.						

General Data: "Fibrolite-Standard" Corrugated Sheets

Art. 75

"Fibrolite-Standard" Corrugated Sheets are manufactured in a width of 2' 7½" for fixing with a side lap of 1½ corrugations, as illustrated in Fig. 33.

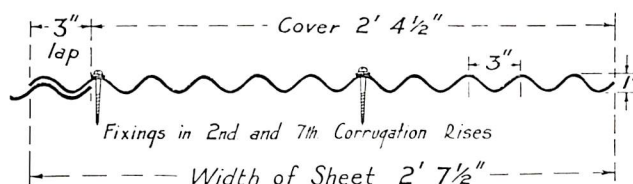


Fig. 33: 1½ Corrugations Side Lap Fixing.

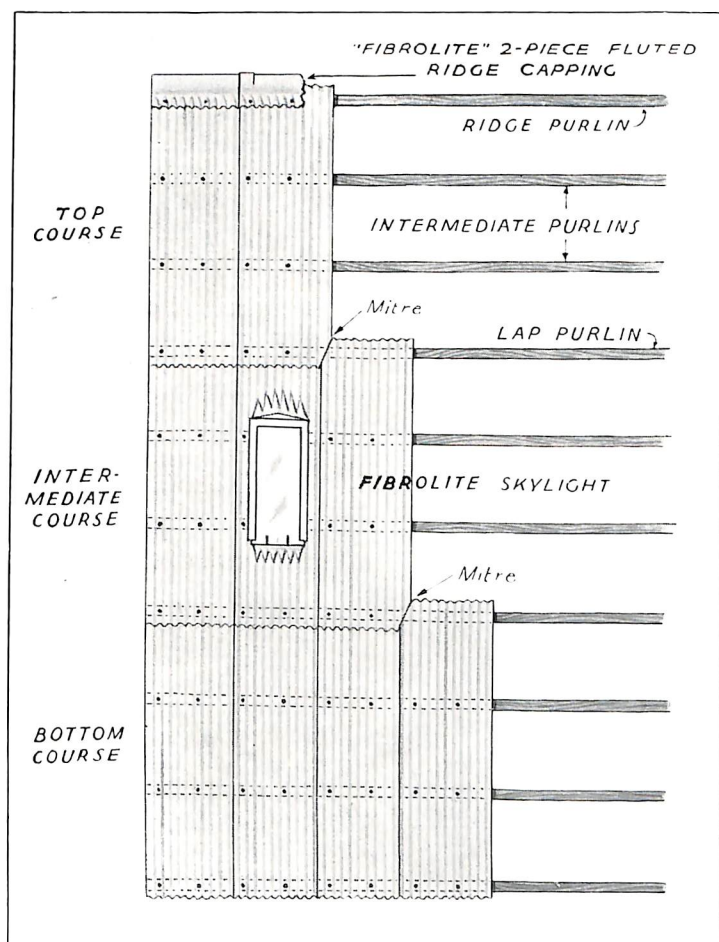


FIG. 34

ROOF PURLIN OR BATTEN SPACINGS:

May be set out up to 36" centres and should be so arranged that the lap purlin or batten will be in centre of lap. Where ridging is used, the top purlin or batten on each side of roof should be so placed as to provide for the fixing of the ridge capping. (See Fig. 34 for position.)

SIDING OR WALL GIRTS:

May be set out up to 48" centres within 10' of floor level and should be so arranged that girt at end lap will be in centre of lap. Above this level, girts may be spaced up to 56".

BATTEN SIZES:

Where battens are used on rafters up to 36" centres they should not be less than 3" x 1¼". Oregon or soft pine recommended.

PITCH AND END LAP:

For normal positions an end lap of 6" may be used with a pitch of about 20°. When a lower pitched roof is desired, or in exposed positions, the end lap should be increased.

HIPS:

It is essential that provision be made at all hips to support the rake cut edges of the roofing sheets and the hip ridging at each side of hip rafters.

Instructions for Fixing "Fibrolite-Standard" Sheets

FIXING SHEETS:

We recommend the mitre method of fixing, as illustrated and described on pages 25 and 26, which gives straight vertical lines, the mitre being covered and invisible when the roof is completed. Particulars are given for fixing "Fibrolite-Standard" Sheets from "left to right" and "right to left," so that the laying of the sheets can be commenced at the end of the building from which it is desired to fix.

DEFINITION OF "DIRECTION OF FIXING":

Wherever the words "fixing from left to right" or "fixing from right to left" are used in this catalogue, they refer to the "direction of fixing" as it would appear to an observer standing at the gutter and looking up the roof slope.

The direction in which it is desired to fix the roofing sheets having been determined, the instructions given hereunder should be followed:—

- (a) **Gable and Hip Roofs:** For roofs of this type it is imperative that the fixing of the sheets on both slopes of the roof **be commenced from the same end of the building** in order that "Fibrolite-Standard" 2-Piece Fluted Ridge Capping (Art. 60) may be correctly fitted to main ridge.
- (b) **Saw-tooth Roofs:** For roofs of this type, "Fibrolite-Standard" 1-Piece Fluted Saw-tooth Ridge Capping (Art. 61) is supplied as ordered for:—

(1) Fixing from "left to right"

OR

(2) Fixing from "right to left."

It is, therefore, necessary to order ridging for saw-tooth roofs (Art. 61) for the fixing direction decided upon and to lay the roofing sheets accordingly.

- (c) **Curved Sheets:** For roofs where curved sheets are to be used, "Fibrolite-Standard" Curved Sheets are supplied to curvature ordered for:—

(1) Fixing from "left to right"

OR

(2) Fixing from "right to left."

It is necessary to order Curved Sheets to suit the "direction of fixing" and side lap decided upon and to lay the sheets accordingly.

DRILLING HOLES IN SHEETS:

All holes in sheets should be drilled, not punched, the diameter of the hole being about $\frac{1}{32}$ " greater than that of the screw or bolt used. For screws up to 14 gauge and for $\frac{1}{4}$ " bolts, use $\frac{9}{32}$ " drill. The type of drill used may be either an ordinary twist drill or a Cleveland pattern twist bit.

FIXING TO WOOD:

For fixing to wood purlins or battens, galvanised screws are used, together with curved galvanised iron washers and bituminous felt washers, as illustrated on page 34.

Use 2" x 12 gauge screws for single thicknesses
 " $2\frac{1}{2}$ " x 12 " " " two "
 " 3" x 13 " " " three " and ridging

A screwdriver bit held in a breast drill or brace is used when screwing, care being exercised not to screw down too tightly.

FIXING TO STEEL PURLINS:

For fixing to steel purlins, hook bolts, bolts and clips, or set bolts of required dimensions are used, together with curved galvanised iron washers and bituminous felt washers, as illustrated on page 34. Care should be exercised not to bolt down too tightly.

POSITION OF SHEETS ON PURLINS:

Sheets should be laid on the roof so that the purlin or batten at the end lap is in the centre of lap.

PLASTIC BITUMEN FOR SCREW AND BOLT HOLES:

Before screwing or bolting the sheets to the purlins or battens, the fixings (screws or bolts) should be dipped in plastic bitumen to thoroughly seal the fixing hole in the sheet. When bolts (Figs. 26 and 27, page 34) are inserted from inside of building, the plastic bitumen should be liberally applied to the bolts beneath the iron and bituminous washers.

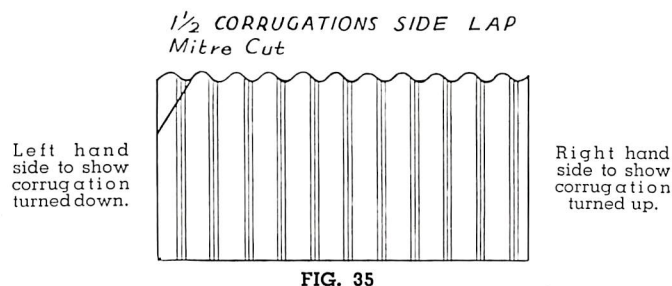
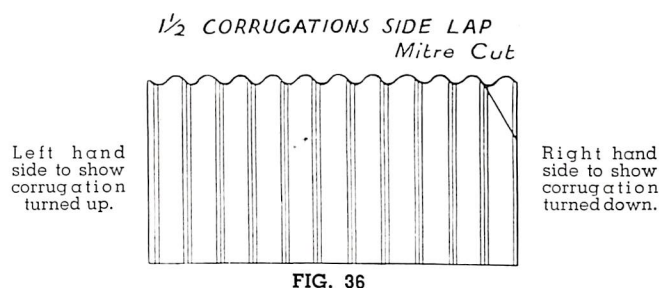
POSITION OF SCREWS OR BOLTS IN SHEETS:

In fixing "Fibrolite-Standard" Corrugated Sheets, each sheet to be secured at each purlin, batten or girt at **2nd and 7th corrugations**, as in Fig. 33, page 23. **On no account must screws or bolts be put through the first corrugation.**

Instructions for Fixing "FIBROLITE-STANDARD" Sheets—(Continued).

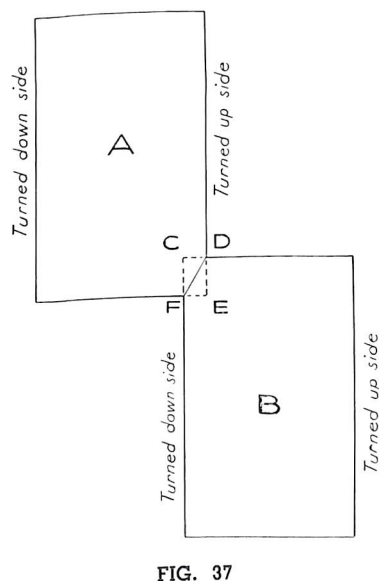
Method of Making Mitre Cut

Before making mitre cut, it is necessary to decide whether the sheets are to be fixed "left to right" or "right to left."

**"LEFT TO RIGHT" FIXING
SHEETS SMOOTH FACE UPWARD****"RIGHT TO LEFT" FIXING
SHEETS SMOOTH FACE UPWARD**

NOTE: Do not cut any sheets before carefully studying directions on pages 24, 25 and 26.

To avoid errors in cutting and consequent waste of material, it is advisable to prepare a template to which the sheets are cut. Taking as an example a roof to be covered with sheets fixed from "left to right," with 1½ corrugations side lap and 9" end lap, the template sheet for the mitre cuts is prepared as follows:—



Lay one sheet A on a level floor or ground with smooth face upwards and the turned-down side on your left, as shown in Fig. 35.

Lay a second sheet B on the ground, with smooth face upwards, turned-down side on your left, so that the **top left-hand corner** of B overlaps the **bottom right hand corner** of A, Fig. 37.

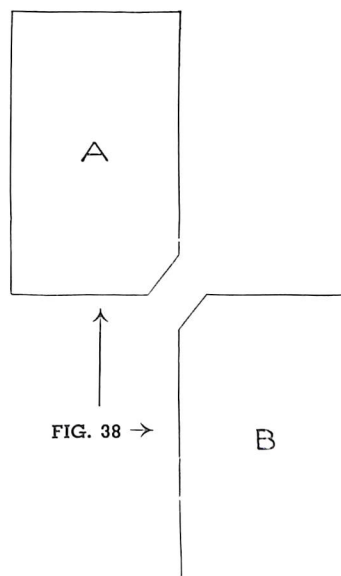
The two sheets overlap as shown at CDEF. The distance CD or FE is equal to the required side lap (1½ corrugations), and care should be taken to see that sheet B is so placed that it takes the correct position required by the side lap (see Fig. 33, page 23). The distance CF or DE is equal to the end lap required, in this case 9".

For end laps other than 9", adjust the distance CF and DE in accordance with the end lap required.

Now join the line FD and cut accurately along this line through both sheets. The sheets will then appear as in Fig. 38.

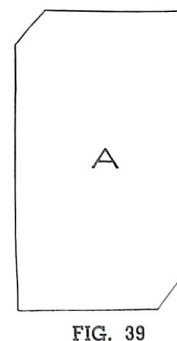
The small triangular piece cut from each sheet is discarded.

Now lay sheet B over top of sheet A, with the top and side edges in line and, using the cut corner of B as a guide, cut off the top left-hand corner of A.



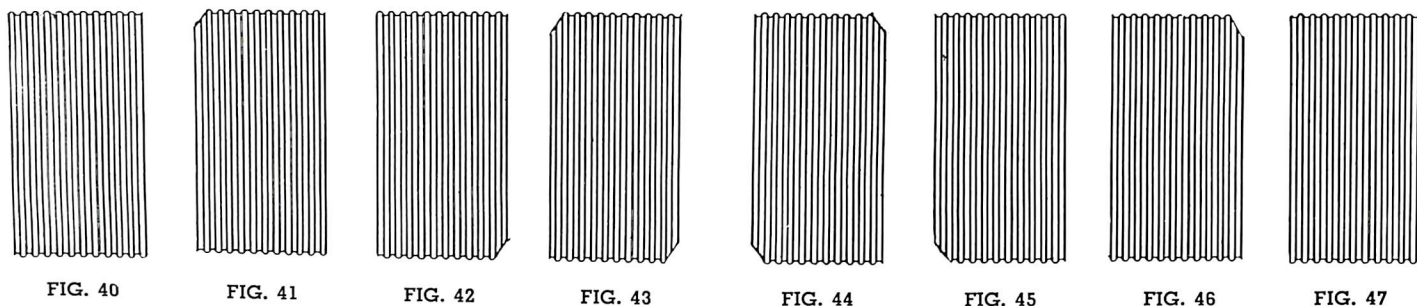
Do not mitre-cut any sheets before studying instructions.

Sheet A will then appear as in Fig. 39, and should be used as a template for all mitre cuts required on the sheets for 1½ corrugations side lap and 9" end lap, fixed from "left to right." The sheets for this roof slope are mitre cut by using this template to mark off both or either of the corners for cutting, as required in accordance with the fixing instructions on page 26.



To prepare a template for the mitre cut on sheets to be fixed "right to left": Proceed as above, but lay the sheets on the ground with smooth face upwards with the turned-down side on your right, as shown in Fig. 36, and lay sheet B so that its top right-hand corner overlaps the bottom left-hand corner of A.

Instructions for Fixing "FIBROLITE-STANDARD" Sheets—(Continued).

**"LEFT TO RIGHT" FIXING**

Bottom Course: For the bottom course all sheets, with the exception of the left-hand or starting sheet, should be mitre-cut at the left-hand top corner **only**, as in Fig. 41. The left-hand or starting sheet is laid without cutting, as in Fig. 40.

Intermediate Courses: For all intermediate courses, that is those between bottom and top courses, all sheets, with the exception of the left-hand or starting sheet and the right-hand or finishing sheet, should be mitre-cut at both left-hand top corner and right-hand bottom corner, as in Fig. 43. The left-hand or starting sheet is mitre-cut at right-hand bottom corner **only**, as in Fig. 42, and the right-hand or finishing sheet should be mitre-cut at top left-hand corner **only**, as in Fig. 41.

Top Course: For the top course all sheets, with the exception of that on the right-hand or finishing end, should be mitre-cut at bottom right-hand corner **only**, as in Fig. 42. The right-hand or finishing sheet is laid without cutting, as in Fig. 40.

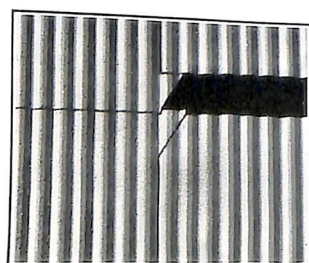
"RIGHT TO LEFT" FIXING

Bottom Course: For the bottom course all sheets, with the exception of the right-hand or starting sheet, should be mitre-cut at the right-hand top corner **only**, as in Fig. 46. The right-hand or starting sheet is laid without cutting, as in Fig. 47.

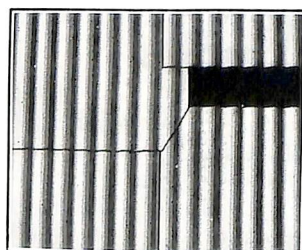
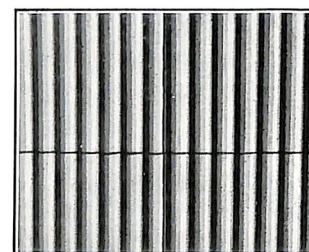
Intermediate Courses: For all intermediate courses, that is those between bottom and top courses, all sheets, with the exception of the right-hand or starting sheet and the left-hand or finishing sheet, should be mitre-cut at both right-hand top corner and left-hand bottom corner, as in Fig. 44. The right-hand or starting sheet is mitre-cut at left-hand bottom corner **only**, as in Fig. 45, and the left-hand or finishing sheet should be mitre-cut at top right-hand corner **only**, as in Fig. 46.

Top Course: For the top course all sheets, with the exception of that on the left-hand or finishing end, should be mitre-cut at bottom left-hand corner **only**, as in Fig. 45. The left-hand or finishing sheet is laid without cutting, as in Fig. 47.

Mitre-Cut Corners of "Fibrolite-Standard" Sheets for "Left-to-Right" Fixing



Corner drawn apart.

Upper mitred sheet on
left moved into place.

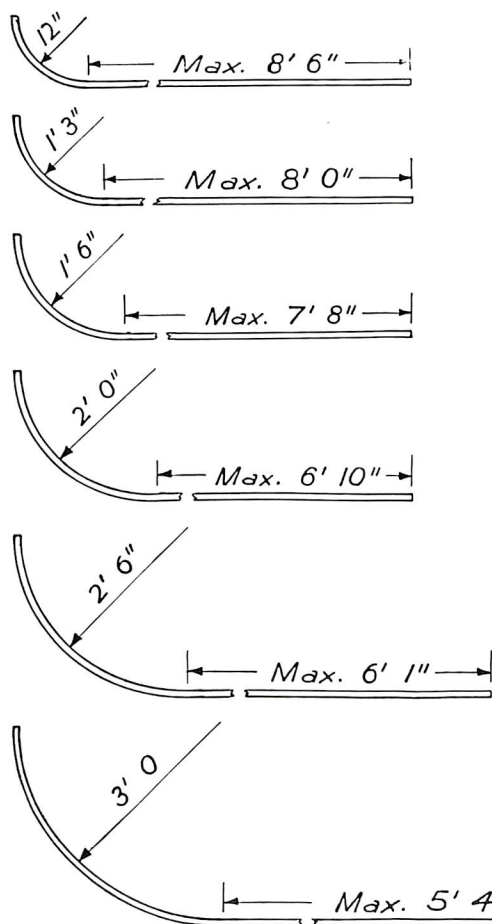
Complete corner.

Note the vertical as well as horizontal laps form continuous straight lines.

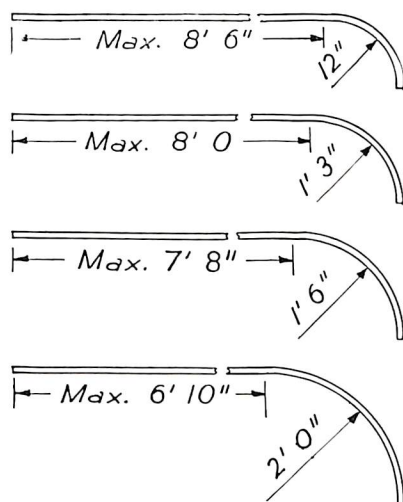
"Fibrolite - Standard" Curved Sheets.—Art. 75A

Illustrations hereunder show typical curves to which "Fibrolite-Standard" Corrugated Sheets are regularly manufactured to order. Smaller segments of any of the curves shown, or special curves to detail, can also be manufactured to suit design of roof. Full particulars on application.

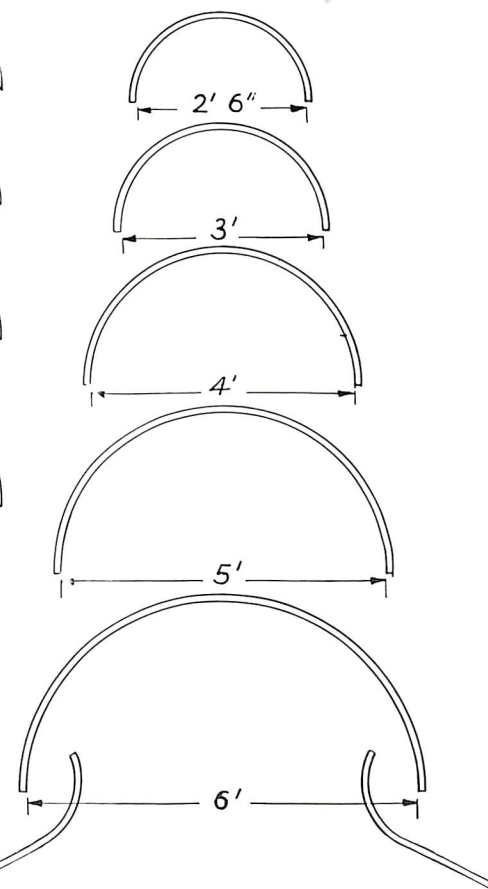
ART. 75B. (Curved up).



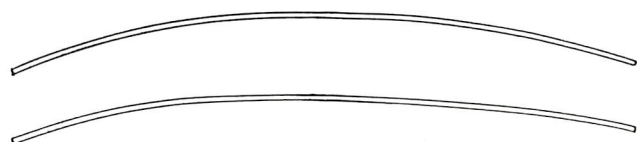
ART. 75C. (Curved down).



ART. 75D. (Dome Sheets).



ALL RADII
ARE INSIDE
MEASUREMENT



Typical kinked and cambered sheets manufactured to detail as required.

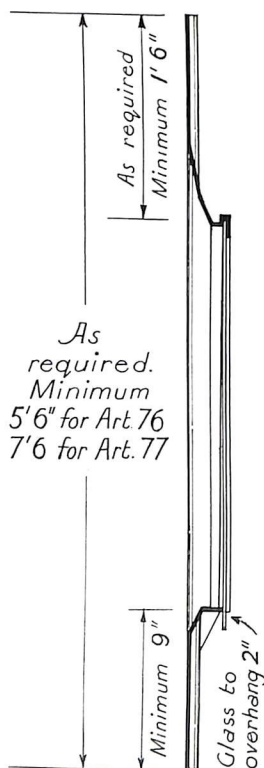
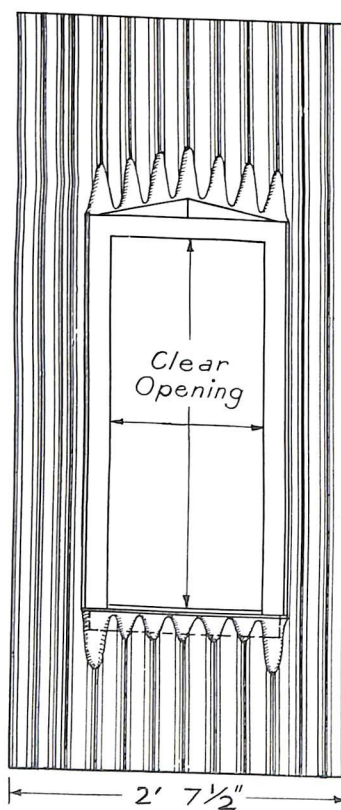
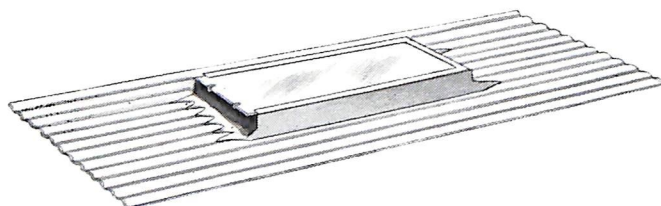
ORDER BY ART. No. AND STATE:—

- (a) For Sheets Curved at One End Only: (1) Inside radius of curve.
(2) Overall length of sheet and length of straight portion.
(3) Whether required for "left to right" or "right to left" fixing.
- (b) For Dome Sheets: (1) Inside radius of curve. (2) Overall length of sheet.

"Fibrolite-Standard" Skylights

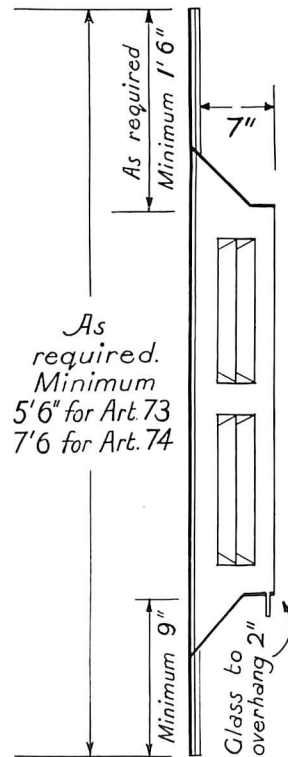
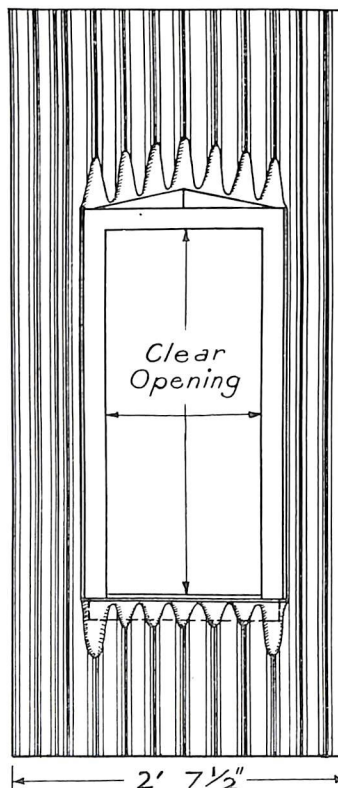
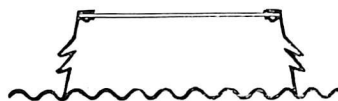
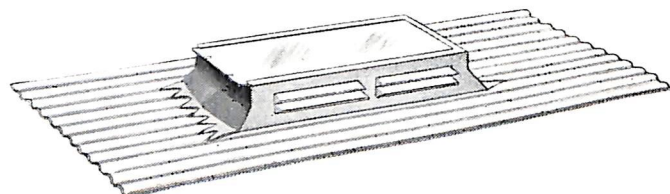
Manufactured for use with "Fibrolite-Standard" Corrugated Sheets, with opening in position to suit requirements in accordance with details. Supplied unglazed; $\frac{1}{4}$ " wired glass supplied for glazing if specially ordered.

Fixed Skylights.— Art. 76 and 77.



	Clear Opening.	Size of Glass.
ART. 76:	3' 2" x 1' 3"	3' 6" x 1' 6" x $\frac{1}{4}$ "
ART. 77:	5' 0" x 1' 3"	5' 4" x 1' 6" x $\frac{1}{4}$ "

Louvred Skylights.—Art. 73 and 74.



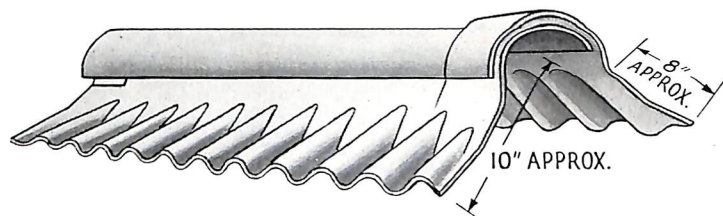
	Clear Opening.	Size of Glass.
ART. 73:	3' 2" x 1' 3"	3' 6" x 1' 6" x $\frac{1}{4}$ "
ART. 74:	5' 0" x 1' 3"	5' 4" x 1' 6" x $\frac{1}{4}$ "

ORDER BY ART. No. AND STATE:—

- (a) Overall length of sheet; (b) Size of opening; (c) Position of light;
(d) Whether required for "left to right" or "right to left" fixing.

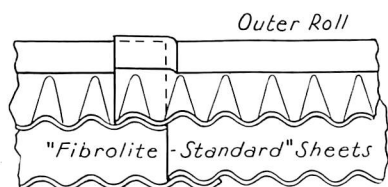
"Fibrolite-Standard" 2-Piece Fluted Ridge Capping—Art. 60

For Ridge Only—Not suitable for Hips. Nominal Thickness, $\frac{3}{16}$ "



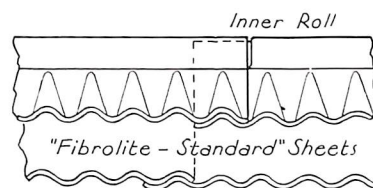
A close-fitting, adjustable 2-piece fluted ridge capping for "Fibrolite-Standard" Sheets. Fits any pitch of roof.

Length: 2' 8", nett cover 2' 4½".



Left to Right Fixing
Inner roll on opposite side of roof

Fig. 51: Method of laying Art. 60, fixed "left to right."



Right to Left Fixing
Outer roll on opposite side of roof—not shown

Fig. 52: Method of laying Art. 60, fixed "right to left."

NOTE.—When using this ridge capping, fixing of both slopes of roofing sheets must be commenced from same end of building.

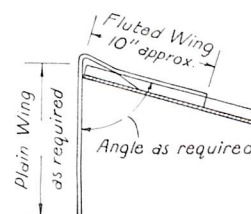
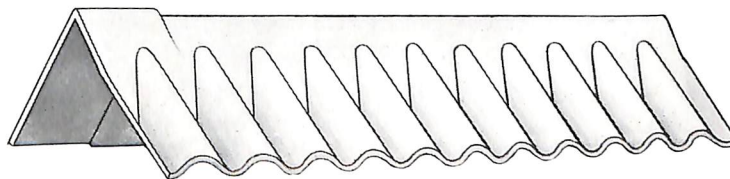
"Fibrolite-Standard" 1-Piece Fluted Saw-Tooth Ridge Capping—Art. 61

Nominal Thickness, $\frac{3}{16}$ "

A close-fitting, fixed angle ridge capping with fluted wing 10" and plain wing to required dimensions. Manufactured to order to suit any pitch.

Length: 2' 8", nett cover 2' 4½".

Fixed in similar manner to Art. 60—see Figs. 51 and 52 above.



END SECTION.

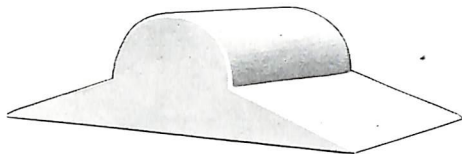
ORDER BY ART. No. AND STATE:—

- | | |
|------------------------------------|---|
| (a) Effective depth of plain wing. | (c) Whether required for "left to right" or "right to left" fixing. |
| (b) Angle at apex. | |

NOTE.—This ridging must be fixed in same direction as that in which roofing sheets are laid and ordered accordingly.

Stop-end Cap—Art. 211

Nominal Thickness, $\frac{3}{16}$ ".

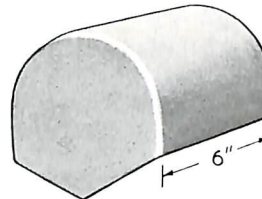


For junction of 2-piece Fluted Ridge Capping (Art. 60) and "Fibrolite" Barge Moulding (see page 43).

ORDER BY ART. No. AND STATE:—

- (a) Pitch of Ridge.
- (b) Details of Barge Moulding with which to be used.

Stop-end Cap—Art. 212



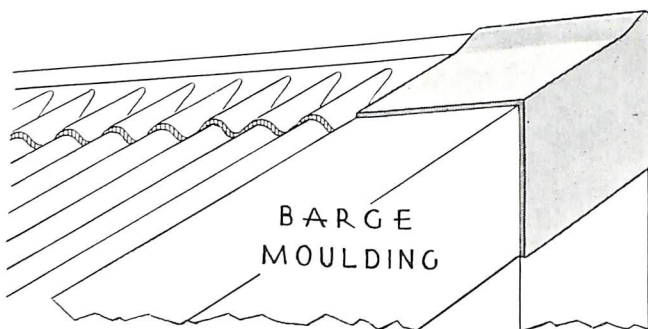
For 2-piece Fluted Ridge Capping (Art. 60). Suitable for any pitch of ridge.

ORDER BY ART. No.

Stop-End Cap—Art. 213L and 213R

Nominal Thickness, $\frac{3}{16}$ ".

For 1-piece Fluted Ridge Capping for saw-tooth roofs (Art. 61).



Supplied to suit type of barge moulding with which to be used (see page 43).

Illustration shows Stop-end Cap for Barge Moulding (Art. 106).

ART. 213L: Stop-end Cap for left-hand end of roof.

ART. 213R: Stop-end Cap for right-hand end of roof.

ORDER BY ART. No. AND STATE:—

- (a) Pitch and size of ridging with which to be used.
- (b) Whether for left-hand end or right-hand end of roof.
- (c) Details of barge moulding with which to be used.

2-Piece Plain Roll Ridging Art. 95

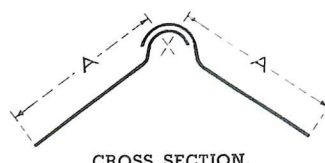
Nominal Thickness, $\frac{3}{16}$ ".

An adjustable ridge capping with plain wings for covering hips or main ridge of "Fibrolite" Corrugated Roofs.

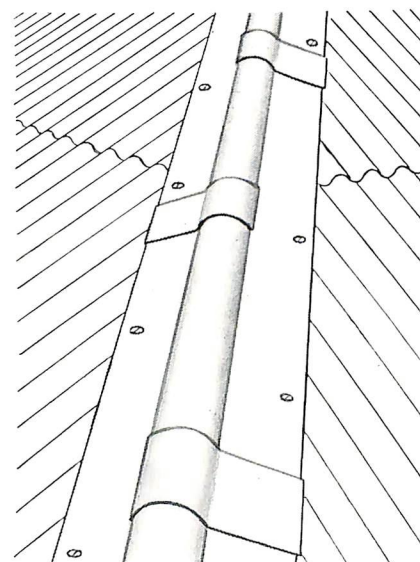
Stock sizes (A): 8" x 8" 9" x 9" 10" x 10" 12" x 12"

Length: 6' (nett cover 5' 6").

NOTE: This ridging should be bedded in compo. as per specification for Hip Capping, page 53. In fixing this ridging, joints on opposite sides are staggered as shown in illustration.



CROSS SECTION.



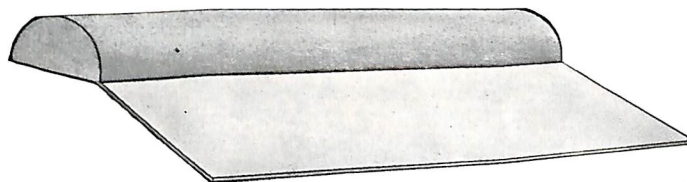
ORDER BY ART. No. AND STATE SIZE REQUIRED.

"Fibrolite" Hip Starter—Art. 202

Nominal Thickness, $\frac{3}{16}$ ".

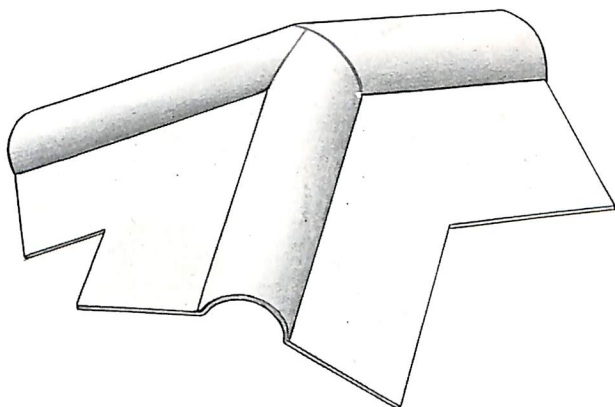
For 2-piece Plain Roll Ridging (Art. 95).

ORDER BY ART. No. and state size of
ridging with which to be used.



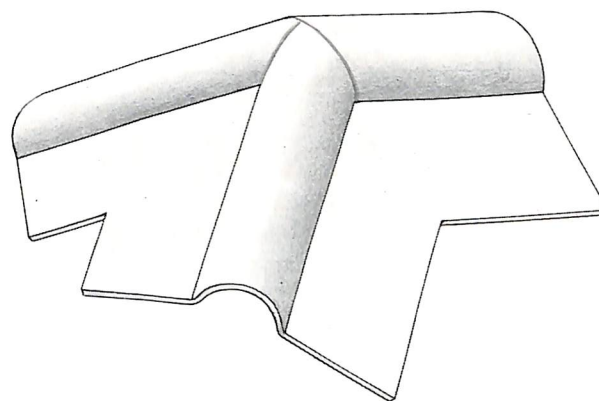
Apex Cap—Art. 208

Nominal Thickness, $\frac{3}{16}$ ".



For covering intersection of ridge and hips where 2-piece Plain Roll Ridging (Art. 95) is used throughout.

Apex Cap—Art. 209



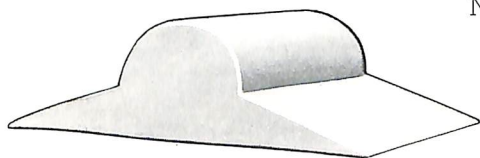
Similar to Art. 208, but for use where 2-piece Fluted Ridge Capping (Art. 60) is used on main ridge and 2-piece Plain Roll Ridging (Art. 95) on hips.

ORDER BY ART. No. AND STATE:—

- | | |
|-------------------------|---|
| (a) Pitch of ridge. | (c) Types and sizes of ridge
and hip capping with which
to be used. |
| (b) Pitch of end slope. | |

Stop-End Cap—Art. 214

Nominal Thickness, $\frac{3}{16}$ ".

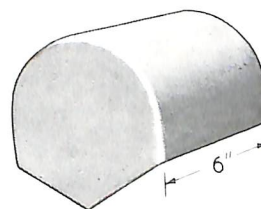


For junction of 2-piece Plain Roll Ridging (Art. 95) and "Fibrolite" Barge Moulding (see page 43).

ORDER BY ART. No. AND STATE:—

- | |
|--|
| (a) Pitch of ridge. |
| (b) Size of ridging with which to be used. |
| (c) Details of barge moulding with which to be used. |

Stop-End Cap—Art. 215



For 2-piece Plain Roll Ridging (Art. 95). Suitable for any pitch of ridge.

ORDER BY ART. No.

1-Piece Plain Angular Ridging—Art. 92

Nominal Thickness, $\frac{3}{16}$ ".

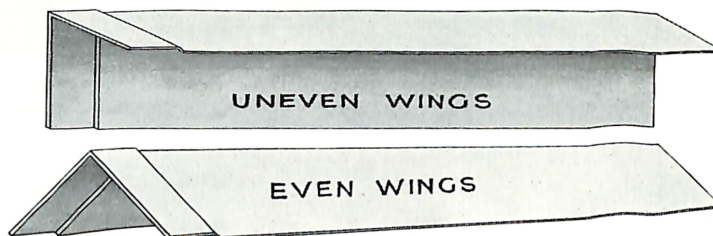
A fixed angle ridge capping with plain wings for covering hips and ridges of "Fibrolite-Standard" Corrugated Roofs.

Manufactured to required angle with even wings in following sizes:—

Sizes: 8" x 8", 9" x 9", 10" x 10", 12" x 12".

Also made with uneven wings as required.

Length: 6' 4", nett cover 6'.



NOTE: This ridging must be bedded in compo. as per specification for Ridge Capping, page 53.
ORDER BY ART. No. AND STATE: (a) Angle required. (b) Size of wings.

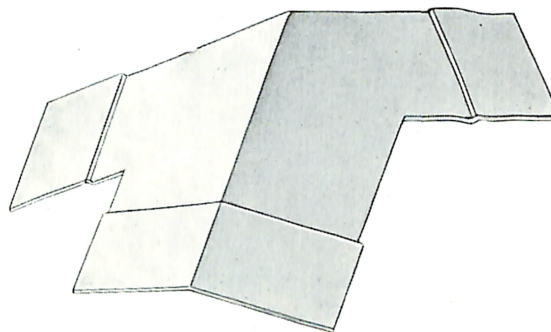
Apex Cap—Art. 210

Nominal Thickness, $\frac{3}{16}$ "

For covering intersection of ridge and hips where 1-Piece Plain Angular Ridging (Art. 92) is used throughout.

ORDER BY ART. No. AND STATE:—

- (a) Pitch at ridge.
- (b) Pitch of end slope.
- (c) Sizes of ridging with which to be used.



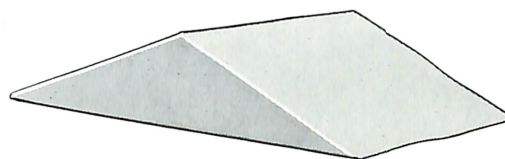
Stop-End Cap—Art. 216

Nominal Thickness, $\frac{3}{16}$ "

For 1-Piece Plain Angular Ridging (Art. 92).

ORDER BY ART. No. AND STATE:—

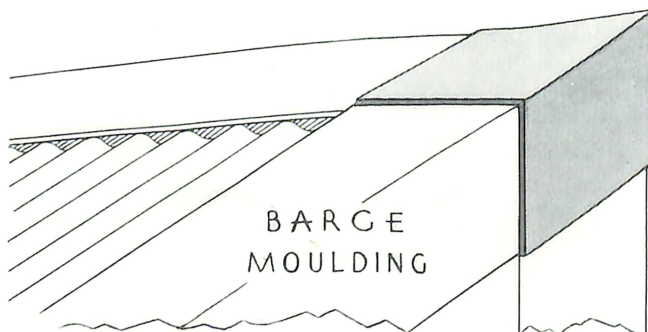
Pitch and Size of Ridging with which to be used.



Stop-End Cap—Art. 217L and 217R

Nominal Thickness, $\frac{3}{16}$ "

For 1-Piece Plain Angular Ridging for saw-tooth roofs (Art. 92).



Supplied to suit type of barge moulding with which to be used (see page 43).

Illustration shows Stop-end Cap for Barge Moulding (Art. 106).

ART. 217L: Stop-end Cap for left-hand end of roof.

ART. 217R: Stop-end Cap for right-hand end of roof.

ORDER BY ART. No. AND STATE:—

- (a) Pitch and size of ridging with which to be used.
- (b) Whether for left-hand end or right-hand end of roof.
- (c) Details of barge moulding with which to be used.

"Fibrolite" Side Flashing—Art. 218L and 218R

Nominal Thickness, $\frac{1}{4}$ "

For flashing sides of "Fibrolite-Standard" Sheets at parapet walls to take lead over-flashing.

ART. 218L: Side flashing with **left-hand** socket for use at **left-hand** end of roof.

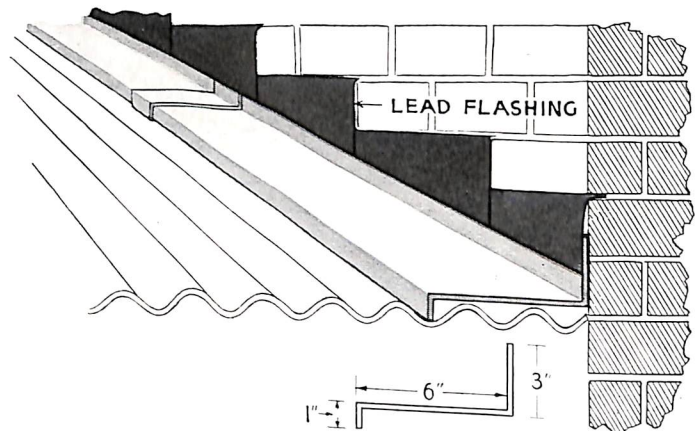
ART. 218R (Illustrated): Side flashing with **right-hand** socket for use at **right-hand** end of roof.

Note: The socket is cut off the bottom or starting length in each case.

Lengths: 8' 4" to cover 8'.

ORDER BY ART. No. AND STATE:—

- (a) Number of lengths required with left-hand socket.
- (b) Number of lengths required with right-hand socket.



"Fibrolite-Standard" Fluted Apron Flashing—Art. 62

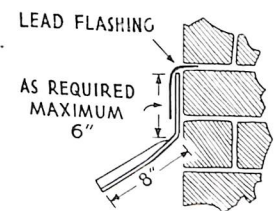
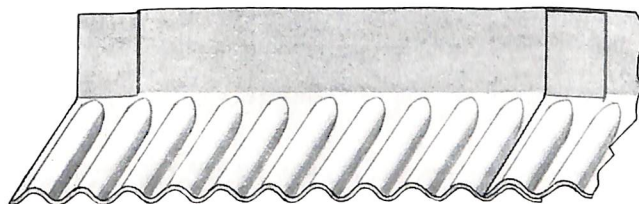
Nominal Thickness, $\frac{3}{16}$ "

For underflashing on "Fibrolite-Standard" Corrugated Roofs to take lead overflashing. Can only be used where line of intersection of abutment is square with roof corrugations.

Length: 2' 8", nett cover 2' 4½".

ORDER BY ART. No. AND STATE:—

- (a) Pitch of roof.
- (b) Height of plain wing required.
- (c) Whether required for fixing "left to right" or "right to left."



End Section
"Fibrolite"
Apron Flashing.

"Fibrolite-Standard" Fluted Gutter Flashing—Art. 63

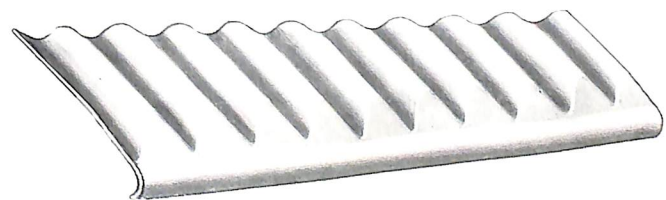
Nominal Thickness, $\frac{3}{16}$ ". Length of Fluted Wing, 8".

Designed to fit any pitch of roof.

For flashing gutters at roof slopes covered with "Fibrolite-Standard" Corrugated Sheets. Also acts as birdproofing.

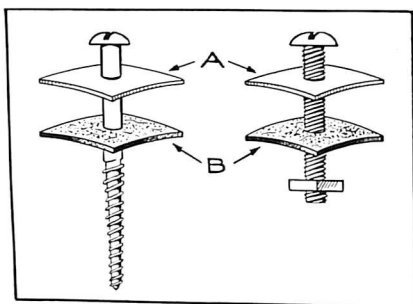
Length: 2' 4½" for butt joints.

In laying this gutter flashing, the lower edge of the turned-down portion should be so adjusted that it bears lightly against the inside of the gutter. This gutter flashing is fixed without overlapping joints.



ORDER BY ART. No. and state whether required for fixing "left to right" or "right to left."

Fastenings for "Fibrolite" Super-Six & "Fibrolite-Standard" Corrugated Sheets



For fixing "Fibrolite" Corrugated Sheets, curved galvanised iron washers (A), with bituminous felt washers (B), as illustrated on left, must be used with all galvanised screws and bolts.

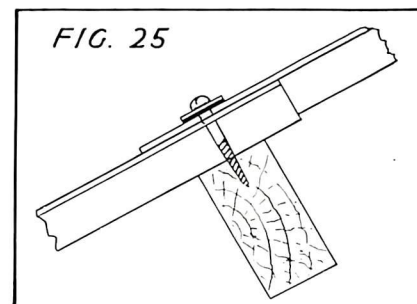


Fig. 25: Galvanised screws for fixing to wood purlins.

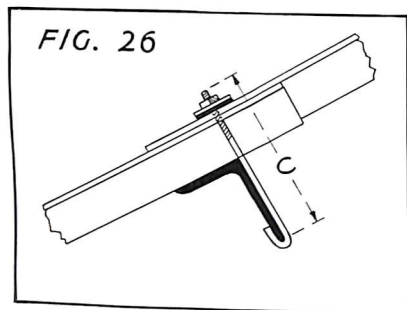


Fig. 26: $\frac{1}{4}$ " Galvanised Hook Bolts for fixing to angle iron purlins.

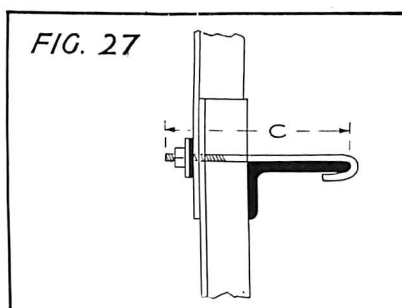


Fig. 27: $\frac{1}{4}$ " Galvanised Hook Bolts for fixing to angle iron girts on walls.

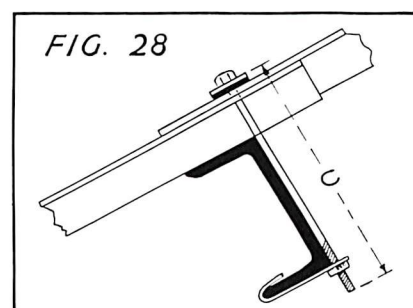


Fig. 28: $\frac{1}{4}$ " Galvanised Long Bolts and Toe Clips for fixing to channel iron purlins.

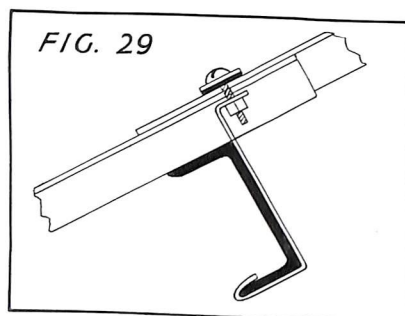


Fig. 29: $\frac{1}{4}$ " Galvanised Short Bolts and Clips for fixing to channel iron purlins.

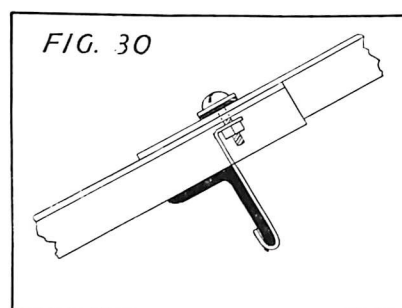


Fig. 30: $\frac{1}{4}$ " Galvanised Short Bolts and Clips for fixing to angle iron purlins or girts.

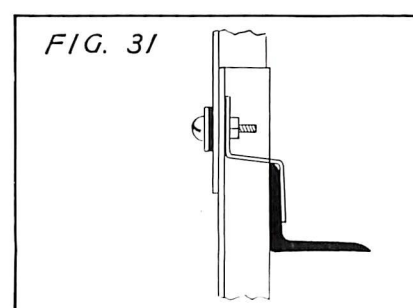


Fig. 31: $\frac{1}{4}$ " Galvanised Short Bolts and Clips for fixing to angle iron girts on walls.

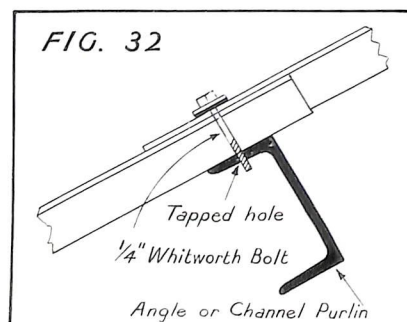


Fig. 32: $\frac{1}{4}$ " Galvanised Set Bolts for fixing by tapping into angle or channel purlins.

LENGTH OF BOLTS FOR FASTENINGS:

For Figs. 26, 27 and 28, length of bolt "C" should be greater than depth of purlin by—

$3\frac{1}{4}$ " for fixing "Super-Six" Sheets

or

$2\frac{1}{4}$ " for fixing "Standard" Sheets.

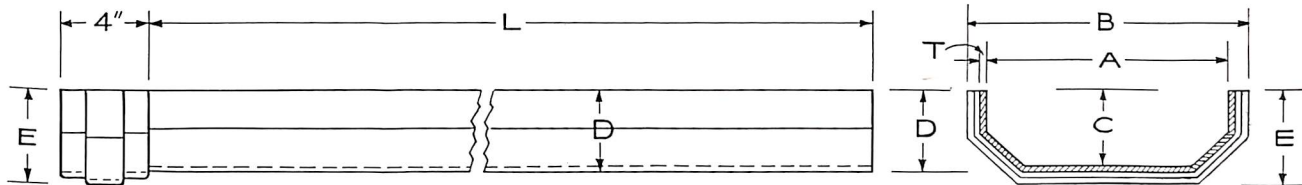
Minimum length of thread $1\frac{1}{2}$ ".

When ordering Figs. 29, 30 and 31, state size and type of purlin or girt and whether to be used with "Super-Six" or "Standard" Sheets. For Toe Clips, Fig. 28, state size of channel purlin.

SECTION 3. — "Fibrolite" General Roofing Accessories

"Fibrolite" Box Gutters

With Integral Moulded Sockets



ART. 130.

"Fibrolite" Box Gutters are manufactured as follows:—

- ART. 130** (Illustrated): Gutter length with one socket and one plain end.
 „ **1301**: With socket each end.

- ART. 1302**: With both ends plain.
 „ **1303**: With one socket and one stopped end.
 „ **1304**: With one plain and one stopped end.

Any of the above gutters also manufactured to order as follows:—

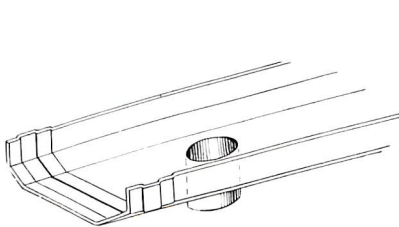


FIG. 53: With Outlet for Down-pipes in any position desired.

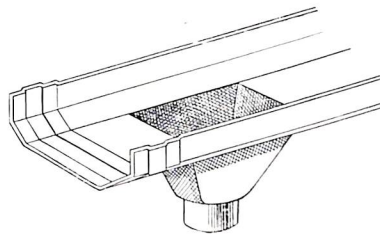


FIG. 54: With Sump Outlet in any position desired.

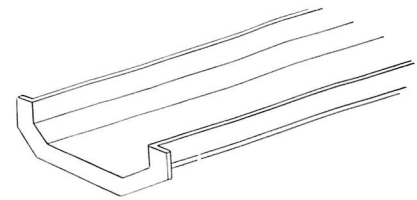


FIG. 55: With Lip End for use with External rainheads.

DIMENSIONS:

All gutters are of uniform width throughout and may be manufactured to order with increasing depth to desired falls.

Length "L":

Socketed: Effective lengths up to 10' (10' 4" overall if single socketed).

Plain: Any length required up to 10'.

Inside Width "A": As required, with minimum of 7½".

Overall Width "B": In all cases overall width "B" at sockets is equal to inside width "A" plus 3".

Inside Depth "C": As required, with uniform or increasing depth. It is not advisable to reduce depth "C" below 4".

Overall Depth "D" in Body of Gutter: Equal to inside depth "C" at the same point plus ½".

Overall Depth "E" at Sockets: Equal to inside depth "C" at same point plus 1½".

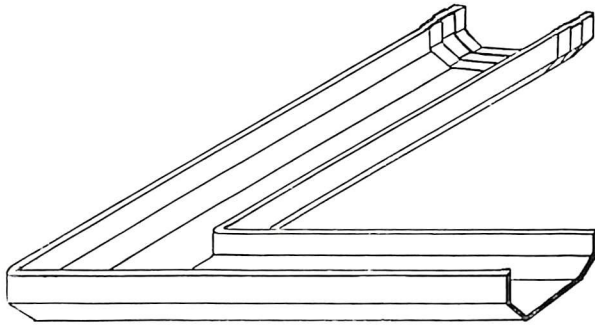
Thickness "T": "Fibrolite" Box Gutters are made in the following thicknesses:—

Gutters under 12" wide	$\frac{3}{8}$ "
„ 12" to 24"	$\frac{7}{16}$ "
„ 24" and over	$\frac{1}{2}$ "

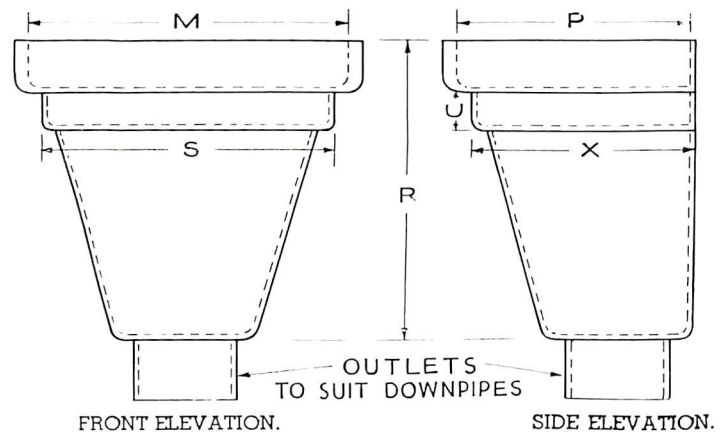
NOTE: In actual practice the overall width or depth of "Fibrolite" Box Gutters is slightly less than the dimensions given above, but the width stated should be allowed for in design to ensure the free fitting of the gutter in place.

ANGLES, OFFSETS, JUNCTIONS, ETC., FOR "FIBROLITE" BOX GUTTERS

Cases may occur where "Fibrolite" Box Gutters may be required to be turned off at a right angle or otherwise deviate from the straight line, or may be required to change to a different width. For such purposes, angles, offsets or matching pieces to any required dimensions may be manufactured to order in "Fibrolite." The same applies in the case where one box gutter is required to connect up with another from the side when special junctions can be manufactured to order.



Typical Angle Piece. Manufactured with plain or socket ends, as required.

**"FIBROLITE" EXTERNAL RAINHEADS
ART. 132, 133 and 134****DIMENSIONS "FIBROLITE" EXTERNAL RAINHEADS**

Art. No.	Nominal Size	Inside Width "M"	Inside Width "P"	Depth "R"	"S"	"U"	"X"
Art. 132	18" x 12"	18"	12½"	16½"	17"	2½"	12"
Art. 133	24" x 12"	24"	12½"	18"	23"	2½"	12"
Art. 134	30" x 12"	30"	12½"	24"	29"	2½"	12"

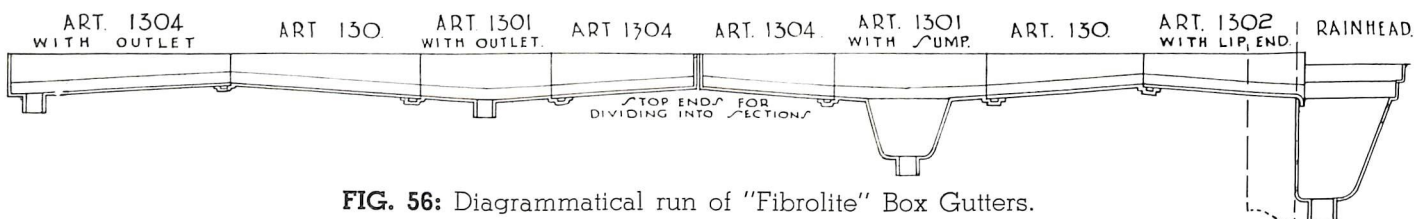
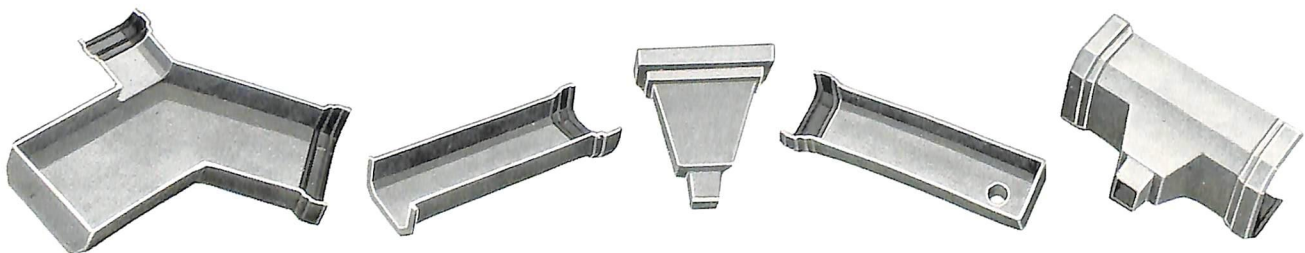


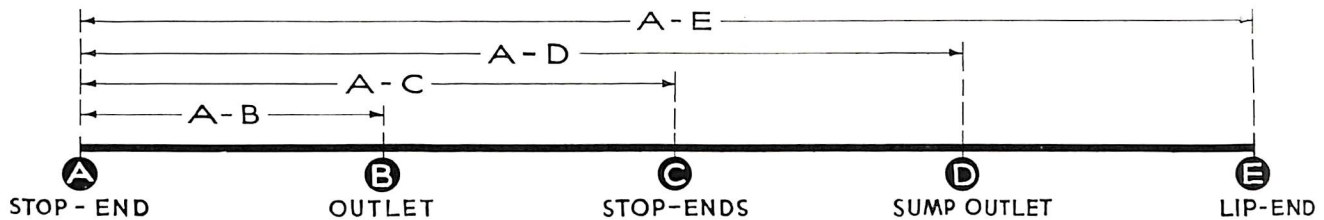
FIG. 56: Diagrammatical run of "Fibrolite" Box Gutters.



Directions for Ordering "Fibrolite" Box Gutters

To make ordering instructions quite clear, in addition to the information required under headings 1 to 7 below, it is advisable to supply a line diagram of the full run of gutter required (not necessarily to scale).

A typical line diagram would appear thus:—

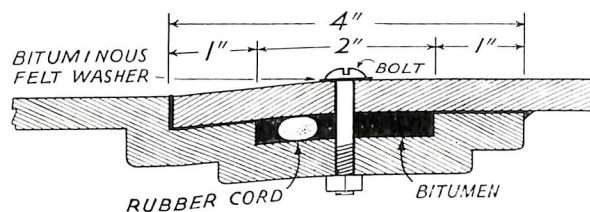


State the distances A-B, A-C, A-D and A-E, taking all measurements from one extreme end of the gutter, giving the following details in conjunction with line diagram:—

- (1) Width of gutter.
- (2) Maximum and minimum depth of gutter permissible.
- (3) Overall length of each run of gutter.
- (4) Position of stop-ends.
- (5) Position of centre of outlets and sump outlets, also size and type of downpipes to be used.
- (6) Position of lip-end for rainhead, if required.
- (7) Particulars of any special requirements not covered by above, such as offsets, angles, junctions, etc.

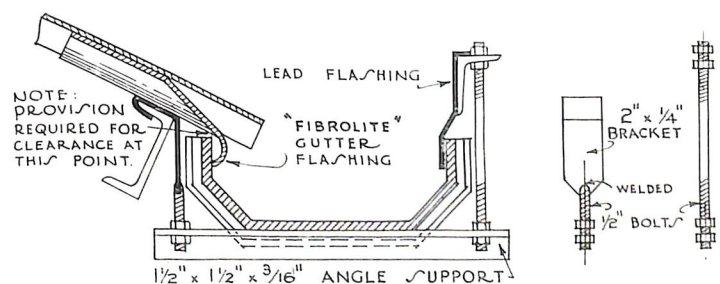
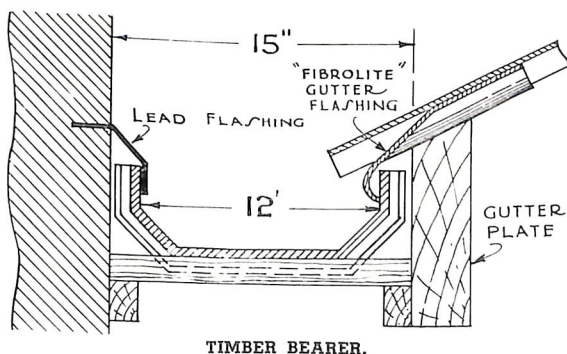
NOTE: Runs of gutter exceeding 100' in length should be divided into sections by stop-ended lengths of gutter and space between stop-ends suitably flashed with lead saddle piece.

DETAIL OF "FIBROLITE" BOX GUTTER JOINT.



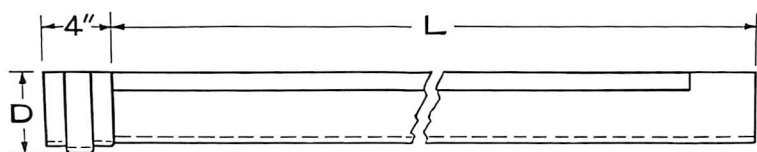
SUGGESTED METHODS OF SUPPORTING "FIBROLITE" BOX GUTTERS.

(Brackets and bearers to be supplied and fixed by client in accordance with requirements.)

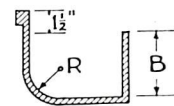
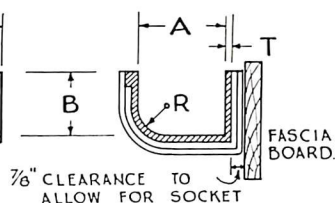


STEEL BRACKET ADJUSTABLE FOR SETTING TO DESIRED FALL.

"Fibrolite" Eaves Gutters



ART. 170.



ART. 171.

"Fibrolite" Eaves Gutters are manufactured as follows:—

ART. 170: (Illustrated.) Gutter length with left-hand socket end and right-hand plain end.

" 1701: Gutter length with right-hand socket end and left-hand plain end.

" 1702: " " " socket each end.

" 1703: " " " both ends plain.

" 1704: " " " one socket end and one end stopped right-hand or left-hand as required.

" 1705: " " " one end plain and one end stopped right-hand or left-hand as required.

"Fibrolite" Eaves Gutters with 1½" raised front for use with low pitched roofs manufactured to order at an additional cost. These Gutters carry the following Art. Nos.: 171, 1711, 1712, 1713, 1714, 1715, and with the exception of the raised front, correspond in all other particulars to Art. Nos. 170, 1701, 1702, 1703, 1704 and 1705, respectively.

Any of the above gutters also manufactured to order as follows:—

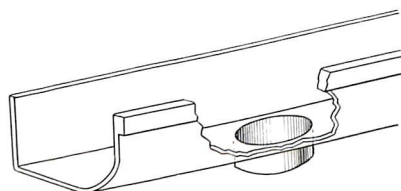


FIG. 58: With Outlet for down-pipe in any position desired.

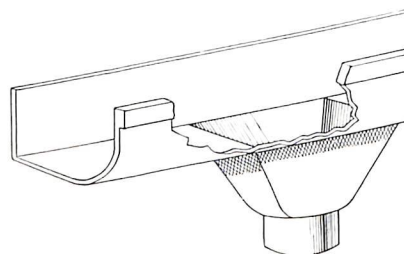


FIG. 59: With Sump Outlet in any position desired.

NOTE: All Gutters, unless otherwise ordered, are supplied with Socket on left-hand end.

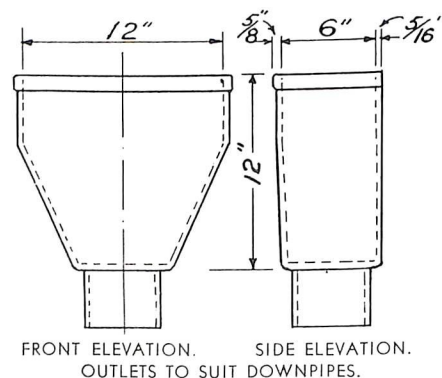
DIMENSIONS "FIBROLITE" EAVES GUTTERS.

"A" (Inside Width)	"L"* (Effective Length)	"B" (Inside Depth)	"R" (Radius)	"T" (Thickness)
4"	6'	3"	1½"	5/16"
5"	6'	3½"	1¾"	5/16"
6"	6'	4½"	2"	5/16"
8"	8'	5½"	3"	7/16"

* Shorter lengths made as required.

NOTE: "Fibrolite" Eaves Gutters are generally manufactured to order, but to expedite delivery for urgent jobs, limited stocks of gutters are carried in effective lengths as above ("L"); also 2' effective lengths of gutters with outlets for downpipes, and 2' x 2' x 90° angles.

EXTERNAL RAINHEAD ART. 177



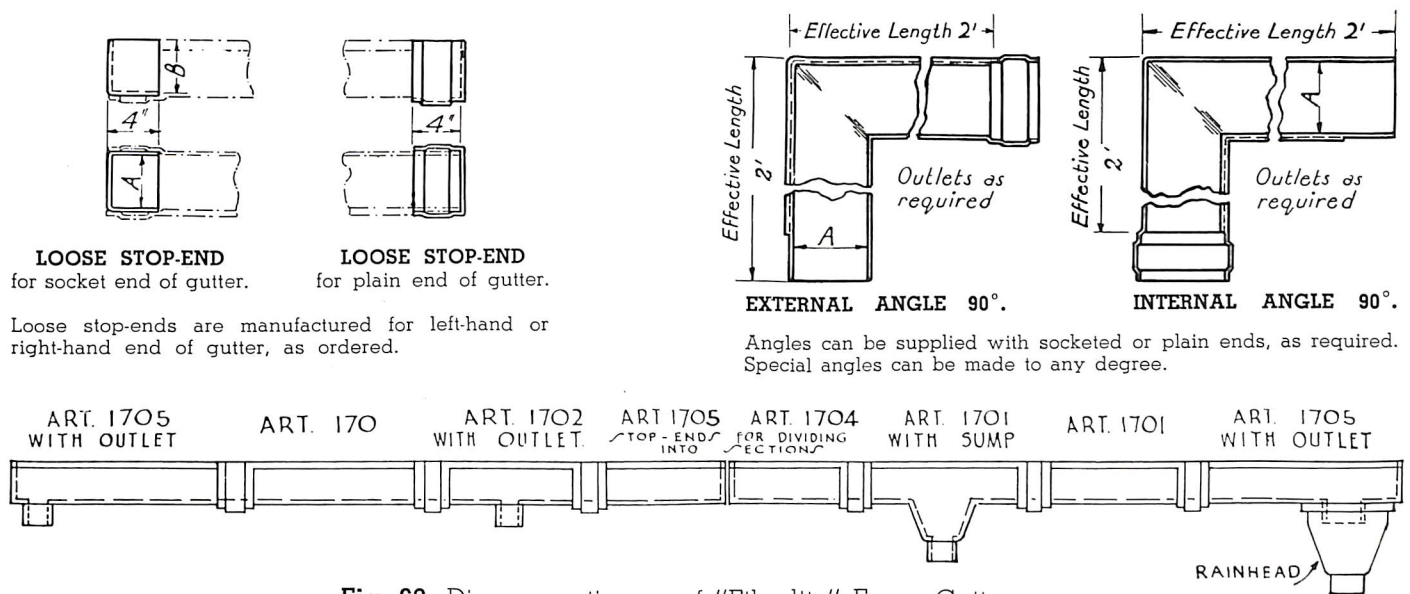
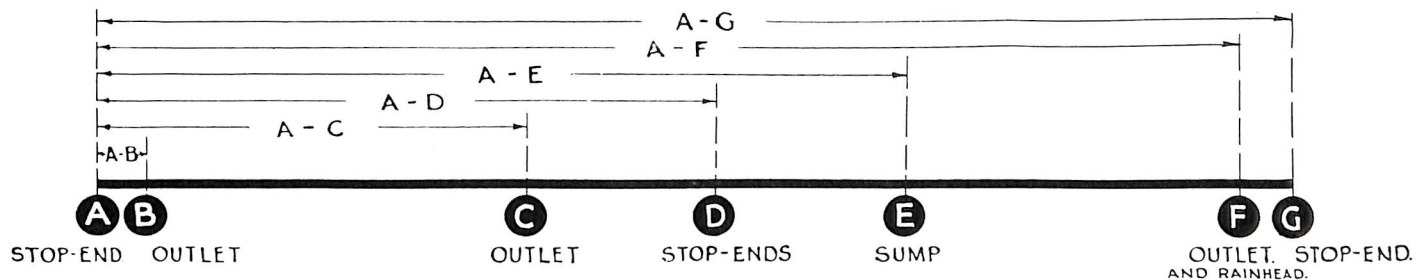


Fig. 60: Diagrammatic run of "Fibrolite" Eaves Gutters.

Directions for Ordering "Fibrolite" Eaves Gutters

To make ordering instructions quite clear, in addition to the information required under headings 1 to 5 below, it is advisable to supply a line diagram of the full run of gutter required (not necessarily to scale).

A typical line diagram would appear thus:—

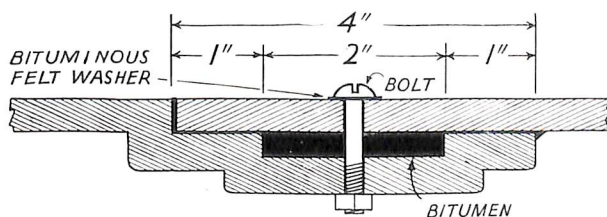


State the distances A-B, A-C, A-D, A-E, A-F and A-G, taking all measurements from one extreme end of the gutter, giving the following details in conjunction with line diagram:—

- (1) Width of gutter.
- (2) Overall length of each run of gutter.
- (3) Position of stop-ends.
- (4) Position of centre of outlets and sump outlets, also size and type of downpipes to be used.
- (5) Particulars of any special requirements not covered by above, such as angles, etc.

NOTE: Runs of gutter exceeding 100' in length should be divided into sections by stop-ended lengths of gutter and space between stop-ends suitably flashed with lead saddle piece.

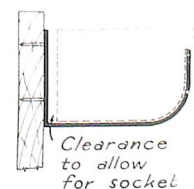
DETAIL OF "FIBROLITE" EAVES GUTTER JOINT.



EAVES GUTTER BRACKET.

(Stock Pattern.)

Manufactured from 1" x $\frac{3}{16}$ " galvanised mild steel. Brackets are spaced up to a maximum of 3' centres (2 to each 6' length of gutter).



"Fibrolite" Downpipes**Round, Art. 112 — Rectangular, Art. 122**

Stock Length (Socketed): 6' 4" overall. Effective Length ("L"): 6'.
 Shorter lengths manufactured to order.

DIMENSIONS

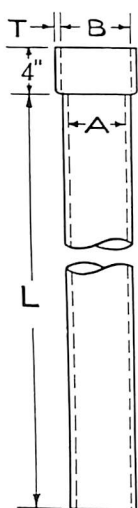
"A"—Approximate inside measurement of pipes.
 "B"— " " " " sockets
 "T"— " " Thickness. " " "

ART. 112—Round Type.

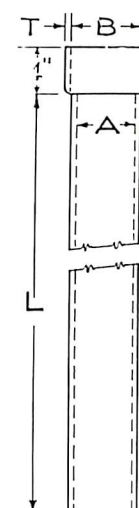
"A" ...	3"	4"	5"	6"
"B" ...	3 $\frac{7}{8}$ "	4 $\frac{7}{8}$ "	6"	7"
"T" ...	$\frac{5}{16}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{3}{8}$ "

ART. 122—Rectangular Type.

"A"	4" x 2"	3" x 3"	4" x 3"	4" x 4"	5" x 4"	6" x 4"
"B"	4 $\frac{7}{8}$ " x 2 $\frac{7}{8}$ "	3 $\frac{7}{8}$ " x 3 $\frac{7}{8}$ "	4 $\frac{7}{8}$ " x 3 $\frac{7}{8}$ "	4 $\frac{7}{8}$ " x 4 $\frac{7}{8}$ "	6" x 5"	7" x 5"
"T"	$\frac{5}{16}$ "	$\frac{5}{16}$ "	$\frac{5}{16}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{3}{8}$ "



ART. 112
Round Type



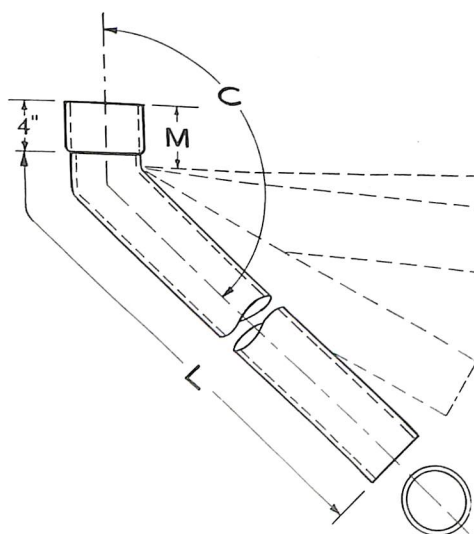
ART. 122
Rectangular Type

NOTE: Where the lower portion of a run of downpipe is liable to receive severe treatment, same should be protected by being fixed in a chase formed in the wall, or such portion may be of cast-iron.

TAPERED PIPES: Tapered "Fibrolite" Pipes, Art. 112T, for use with Art. 112 (Round), and Art. 122T for use with Art. 122 (Rectangular), are manufactured to requirements in effective lengths up to 6' to fit the sockets of equivalent size of cast-iron pipes. When ordering, give full details as to internal dimensions of cast-iron socket to which "Fibrolite" pipes are to be connected.

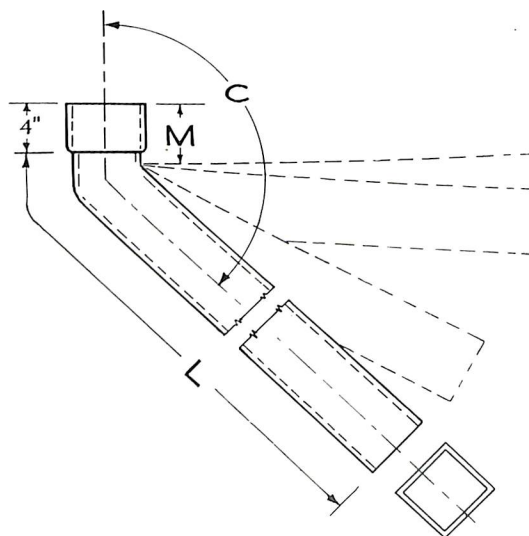
"Fibrolite" Downpipe Bends**ART. 116 and 123.**

Manufactured with Angle "C" of
 90°, 95°, 120° and 135°.

**ART. 116—Round Type.**

Effective length "L," measured on centre line, is manufactured to order as required up to a maximum of 6' in all sizes.

Dimension "M" is 5" in all sizes.

**ART. 123—Rectangular Type.**

NOTE: "Fibrolite" Downpipe Bends are generally manufactured to order, but to expedite delivery for urgent jobs limited stocks of bends are carried in effective lengths of 2' and 6' with Angle "C" of 95° or 135°.

"Fibrolite" Downpipe Shoe Bends

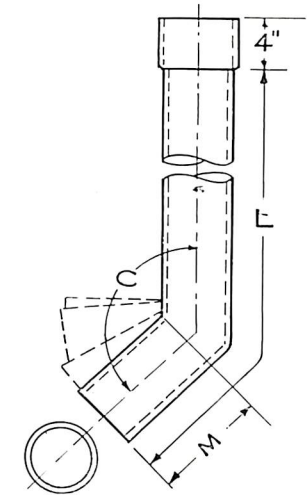
ART. 118 and 124

Manufactured with Angle "C" of 90°, 95°, 120° and 135°.

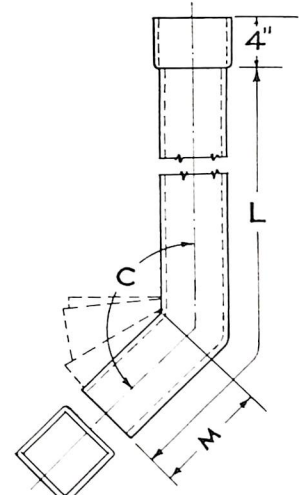
Effective length "L," measured on centre line, is manufactured to order as required up to a maximum of 6' in all sizes.

Maximum length of dimension "M" is 1' 6" in all sizes.

NOTE: "Fibrolite" Downpipe Shoe Bends are generally manufactured to order, but to expedite delivery for urgent jobs limited stocks of Shoe Bends are carried in 6' effective lengths with dimension "M" of 9" and Angle "C" of 135°.



ART. 118—Round Type.



ART. 124
Rectangular Type.

"Fibrolite" Junctions and Tees

ART. 120 and 125

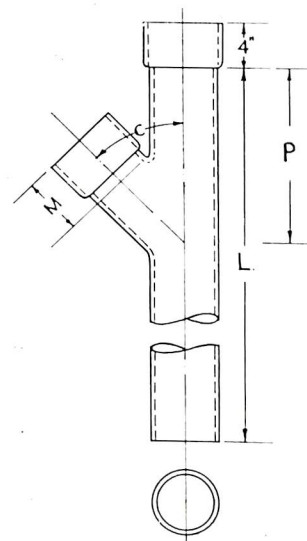
Manufactured with Angle "C" of 45°, 60°, 85° and 90°, and with junction branch of required size in any position on length of pipe.

Effective length "L" is manufactured to order as required up to a maximum of 6' in all sizes.

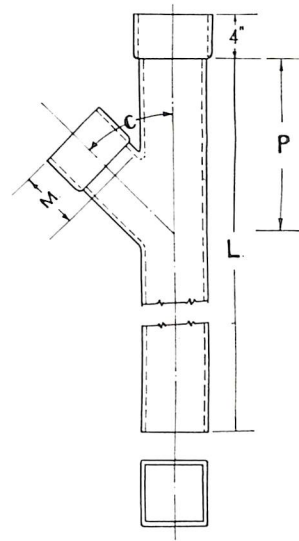
Dimension "M" is 5½" in all sizes.

Dimension "P" manufactured to order as required.

NOTE: "Fibrolite" Junctions are generally manufactured to order, but to expedite delivery for urgent jobs limited stocks are carried in the following dimensions: "L" 2', "P" 1', "C" 45°.



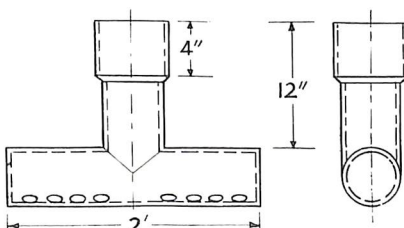
ART. 120—Round Type.



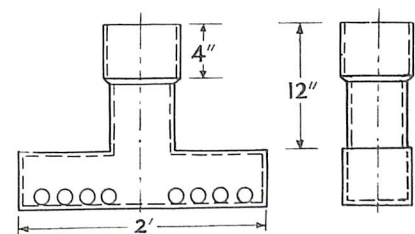
ART. 125
Rectangular Type.

"Fibrolite" Spreaders

ART. 121 and 126



ART. 121—Round Type.



ART. 126—Rectangular Type.

Diagrammatic Assembly "Fibrolite" Downpipes

TABLE SHOWING EFFECTIVE LENGTH OF BEND TO GIVE OFFSET REQUIRED.

Required Offset "O"	Effective Length of Top Bend	
	135° or 120° Offset	95° or 90° Offset
6"	1' 0"	1' 0"
1' 0"	1' 9"	1' 6"
1' 6"	2' 6"	2' 0"
2' 0"	3' 3"	2' 6"
2' 6"	4' 9"	3' 0"
3' 0"	4' 6"	3' 6"
3' 6"	5' 3"	4' 0"

INSTRUCTIONS FOR ORDERING "FIBROLITE" DOWNPIPES.

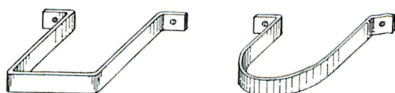
To make ordering instructions quite clear, the following particulars should be given in relation to each stack of downpipe required:—

- (1) Size and type of downpipes.
- (2) Overall height of stack of downpipe measured from the underside of the gutter to the ground or lowest point of the stack ("H" on diagram opposite).
- (3) Horizontal distance from wall to outside of fascia board ("W" on diagram opposite).
- (4) Angle of offset, if required, whether 135°, 120°, 95° or 90°.
- (5) Particulars of junctions required, viz.: Distance of junctions from underside of gutter ("J" on diagram opposite), angle of incoming branch (45°, 60°, 85° or 90°) and size and type of pipe leading into same.
- (6) Particulars of shoe bend or spreader, if required, at lower end of stack.

Additional information required for Rectangular Pipes.

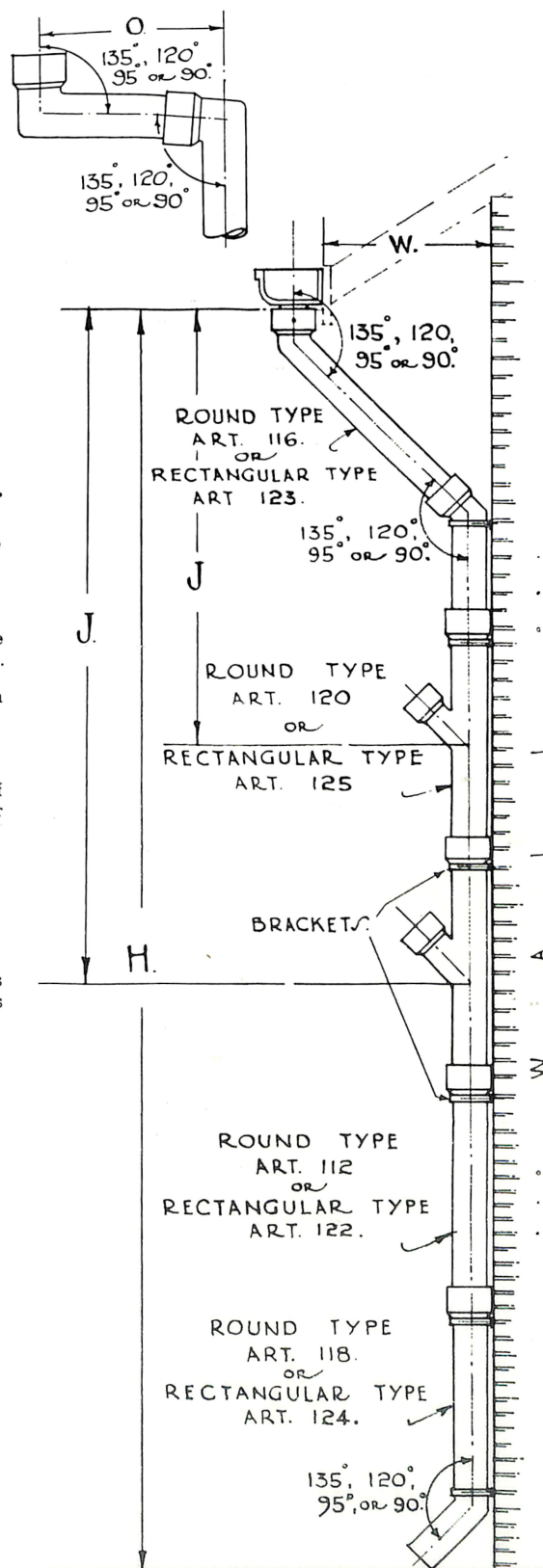
Where rectangular pipes are used, state whether the wider side of downpipe is to run parallel with gutter or across same. State also whether offsets, junctions or bends are to connect on wide or narrow side of pipe.

DOWNPIPE BRACKETS (Stock Pattern):



1" x 1/8" gal. mild steel, for fixing all sizes of "Fibrolite" Downpipes.

In fixing "Fibrolite" Downpipes, the socket of the top length should be fixed to the gutter outlet with two gutter bolts. Each subsequent length is supported by one bracket directly beneath the socket with an additional bracket at foot of bottom length.

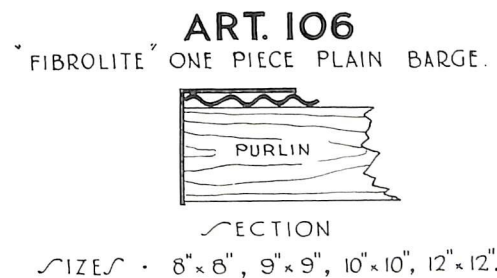
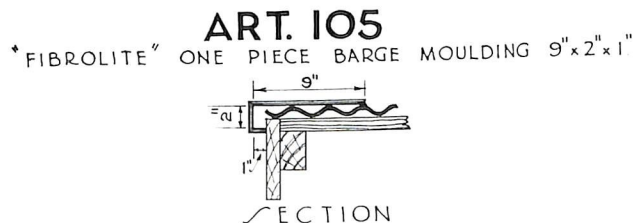
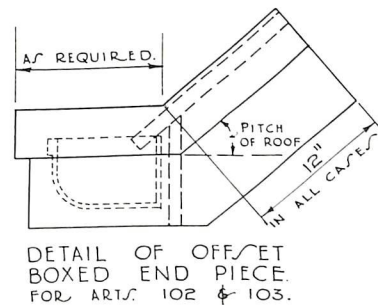
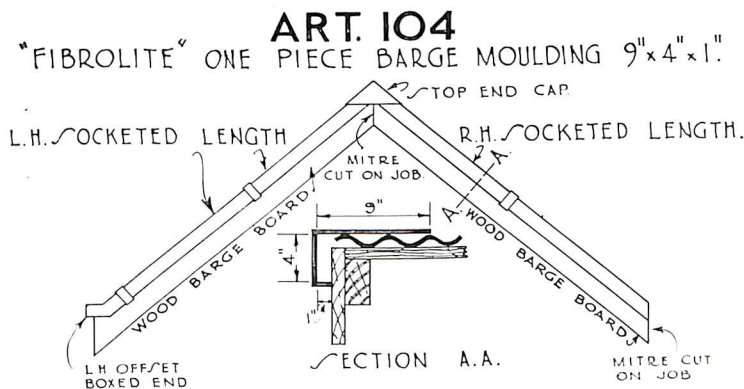
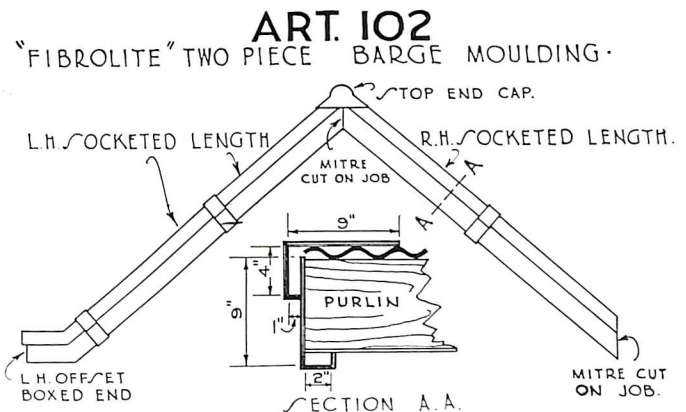
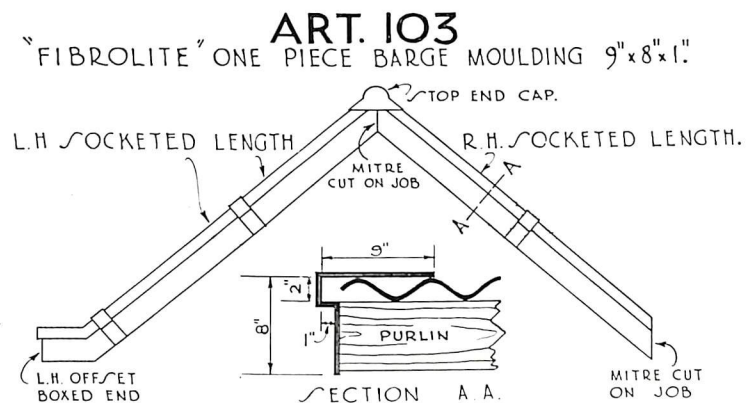


"Fibrolite" Barge Mouldings

Nominal thickness, $\frac{3}{16}$ ". Other thicknesses to order.

Stock lengths: Socketed ... 8' 4" (8' effective). Plain ... 8'. Shorter lengths manufactured to order.

For roof slopes **falling to left**, Barge Moulding is manufactured with socket **on L.H. end**, and for roof slopes **falling to right** with socket **on R.H. end**, as shown in drawings. Where offset boxed ends are not required, a plain length without socket may be used at the bottom.



NOTE: For Stop-end Cap as illustrated with Art. Nos. 102, 103 and 104 above, see pages 16, 30, 31 and 32.

ORDER BY ART. No. AND STATE:—

- | | |
|--|---|
| <p>(1) Number required of—</p> <p>(a) "L.H." Socketed lengths,</p> <p>(b) "R.H." " " "</p> <p>(c) Plain lengths,
stating required length of each piece.</p> <p>(3) Art. No. of Stop-end Cap required. (See pages 16, 30, 31 and 32.)</p> | <p>(2) Where Offset Boxed-end Pieces are to be used state:—</p> <p>(a) Number required "L.H."</p> <p>(b) " " "R.H."</p> <p>(c) Exact pitch of roof at eaves.</p> <p>(d) Outside dimension of gutter to be used.</p> |
|--|---|

"Fibrolite" Manholes — Art. 69

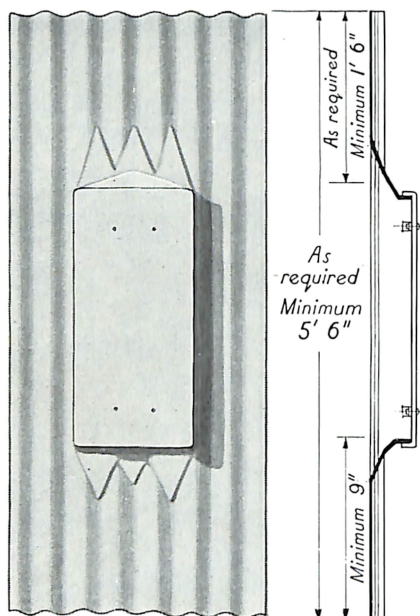
For use with "Fibrolite" Super-Six or "Fibrolite-Standard" Corrugated Sheets with opening in position to suit requirements in accordance with details.

Size of Clear Opening: 3' 3" x 1' 4".

Supplied with "Fibrolite" cover, unless otherwise ordered.

ORDER BY ART. No. AND STATE:—

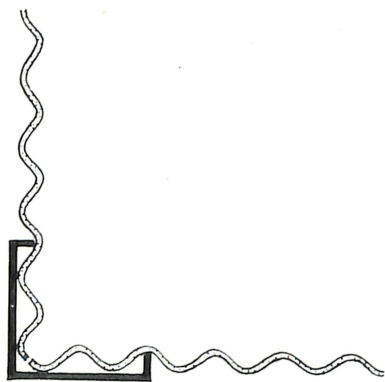
- (1) If to be used with "Fibrolite" Super-Six or "Fibrolite-Standard" Corrugated Sheets.
- (2) Overall length of sheet.
- (3) Position of Manhole opening in sheet.
- (4) Whether required for "left to right" or "right to left" fixing.



"Fibrolite" Vertical Corner Mouldings Art. 270, 271 and 272

For use with "Fibrolite" Super-Six or "Fibrolite-Standard" Corrugated Sheets.

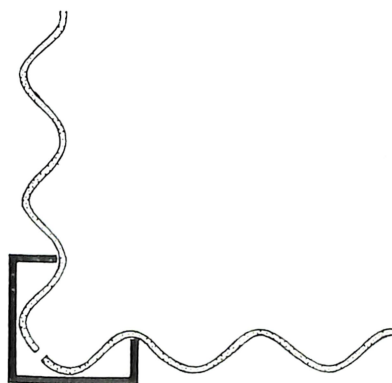
Stock Lengths: Socketed, 8' 4" (8' effective).
Plain, 8'. (For bottom or single lengths only).
Shorter lengths manufactured to order.



ART. 270

For use with "Fibrolite-Standard" Corrugated Sheets.

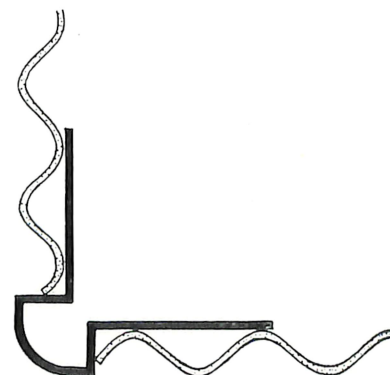
Size: 6" x 6" (return 1").



ART. 271

For use with "Fibrolite" Super-Six Corrugated Sheets.

Size: 6" x 6" (return 2").



ART. 272

For fixing under "Fibrolite" Super-Six and "Fibrolite-Standard" Corrugated Sheets.

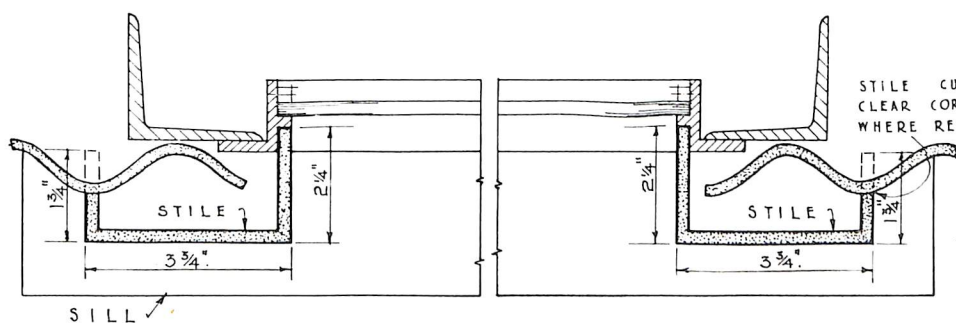
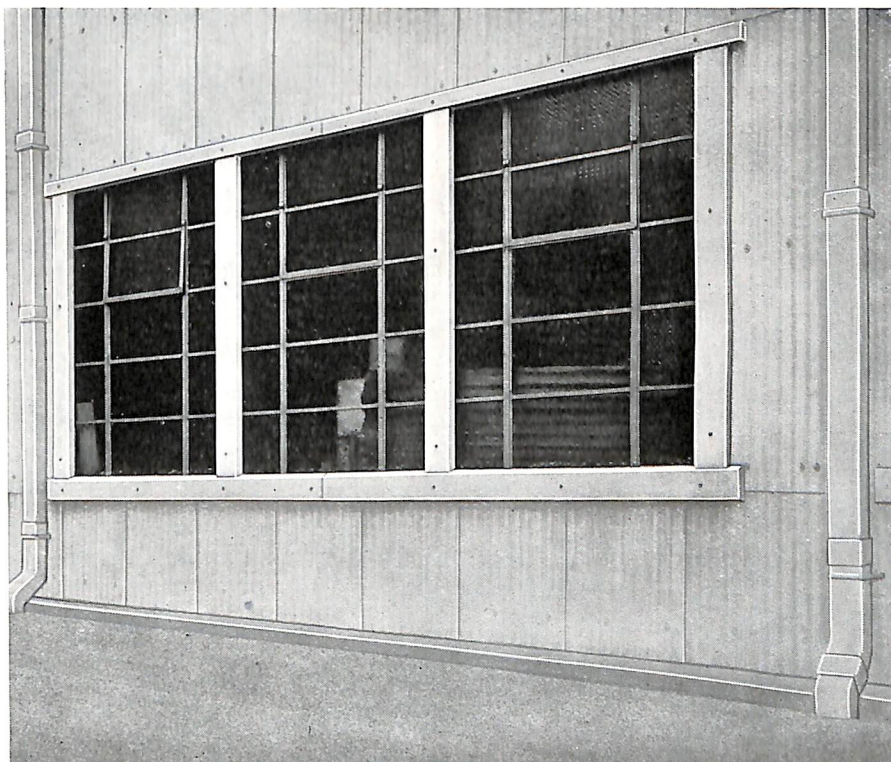
Size: 8" x 8".

FIXING: In fixing Art. 270 and 271, if return edge of corner moulding does not meet centre of valley of corrugated sheet, trim return to meet side slope or crown, as necessary.

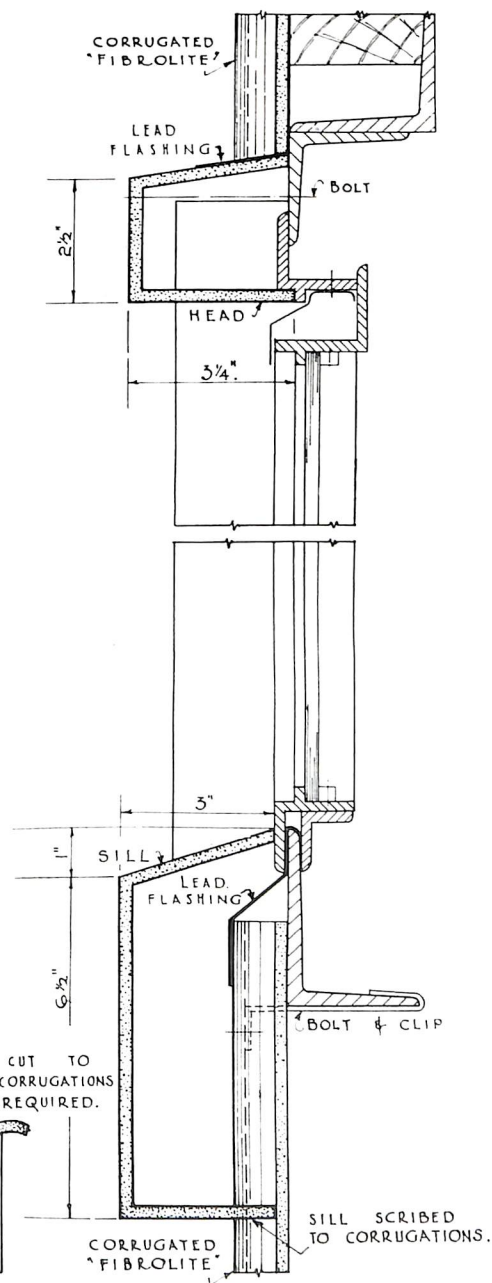
ORDER BY ART. No. AND STATE lengths required and whether socketed or plain.

"Fibrolite" Window and Door Mouldings

For use on walls covered with "Fibrolite" Super-Six or "Fibrolite-Standard" Corrugated Sheets.



P L A N

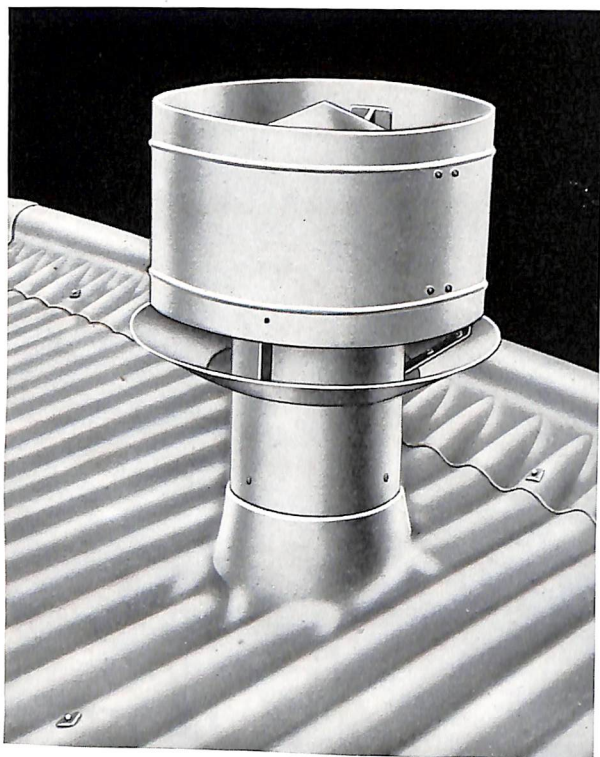


S E C T I O N

Typical lay-out of "Fibrolite" Window Mouldings.

Similar types of "Fibrolite" Mouldings manufactured to order to suit requirements.

Quotations given on receipt of full details of requirements.

"Fibrolite" Roof Ventilators—Art. 232

"Fibrolite" Ventilator Art. 232, with Base Art. 232B.

"FIBROLITE" Exhaust Ventilators meet the need for economical and efficient ventilation and can be adapted for use on buildings of practically any type. They are manufactured entirely from "Fibrolite" material with the exception of necessary brackets and bolts, which are of brass throughout.

"Fibrolite" Ventilators have a high exhaust capacity, function effectively over a wide range of varying conditions, and are so constructed as to minimise down draught and interference from wind currents deflected upwards from pitched roofs.

There are no moving parts to wear out or cause trouble. Once erected they require no further attention or adjustments. When fixed in suitable positions, continuous ventilation is provided, even when wind velocities are low.

"Fibrolite" Roof Ventilators are strongly and rigidly constructed, easily and quickly installed and can be supplied for fixing to either the ridge or roof slopes without the use of lead flashing.

Approximate Exhaust Capacity in Cubic Feet per Minute.

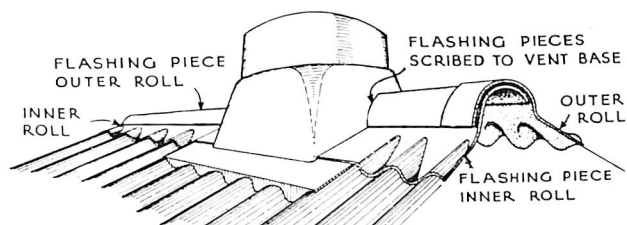
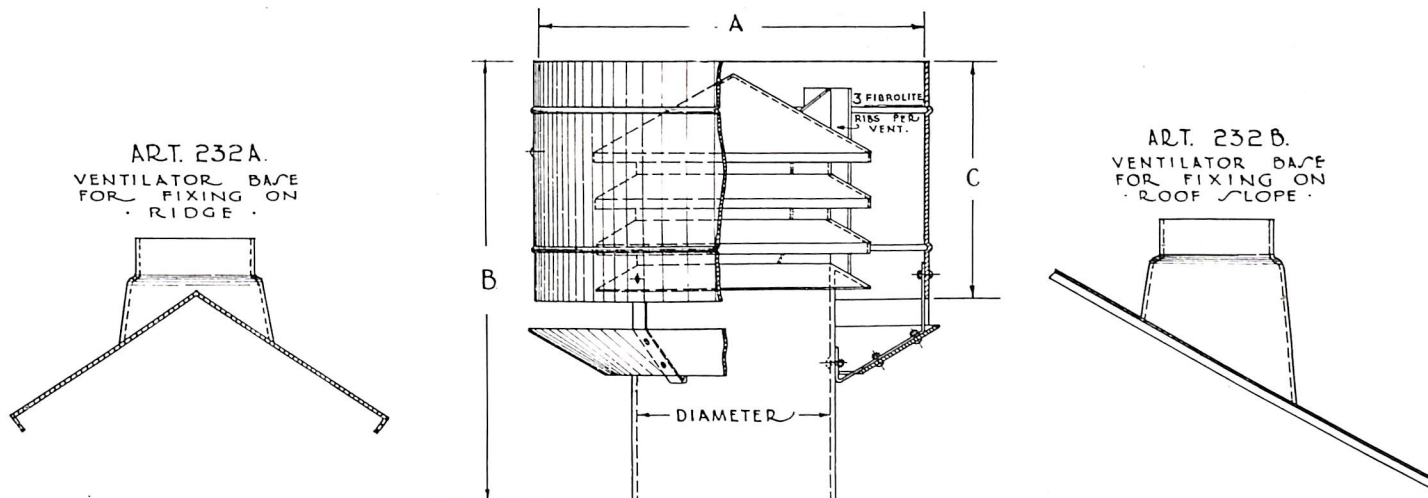
Velocity of Wind. M.P.H.	Temp. diff. °F.	Height above intake. ft.	12in. dia. Vent.	16in. dia. Vent.	22in. dia. Vent.
2	0	0	40	70	135
4			80	140	270
6			120	210	400
8			160	285	540
10			200	355	670
2	5	10	95		
		20	120	215	400
		30	140	250	470
		40	160	285	540
		50	175	310	590
4	5	10	135	240	450
		20	160	285	540
		30	180	320	600
		40	200	355	670
		50	215	380	720
6	5	10	175	310	590
		20	200	355	670
		30	220	390	740
		40	240	430	800
		50	255	455	860
8	5	10	215	380	720
		20	240	430	800
		30	260	460	870
		40	280	500	940
		50	295	525	990
10	5	10	255	455	860
		20	280	500	940
		30	300	530	1000
		40	320	570	1070
		50	335	600	1120
2	10	10	120	215	400
		20	160	285	540
		30	190	340	640
		40	210	370	700
		50	230	410	770
4	10	10	160	285	540
		20	200	355	670
		30	230	410	770
		40	250	445	840
		50	270	480	910
2	20	10	160	285	540
		20	210	370	700
		30	250	445	840
		40	290	520	970
		50	320	570	1070
4	20	10	200	355	670
		20	250	445	840
		30	290	520	970
		40	330	590	1100
		50	360	640	1220

"Fibrolite" Roof Ventilators—Art. 232

Ventilator Art. 232 is supplied as ordered for fixing:—

- (1) On Ridge, using "Fibrolite" Ridge Base Art. 232A; or
- (2) On Roof Slope, using "Fibrolite" Roof Slope Base Art. 232B.

Special Bases also manufactured to order for fixing on concrete, tiled roofs, etc. If desired, Ventilators can be supplied without base.



"Fibrolite" Ridge Base Flashing Pieces for Fluted Ridgings, are included with Art. 232A.

Illustration shows method of fixing.

DIMENSIONS:

Diam.	"A"	"B"	"C"
9"	1' 6"	1' 9"	0' 11"
12"	2' 0"	2' 4"	1' 3"
16"	2' 8"	3' 4"	1' 8"
22"	3' 8"	4' 6"	2' 3"

ORDER BY ART. No. AND STATE:—

For Ventilator for use with Ridge Base (Art. 232 with Art. 232A Base).

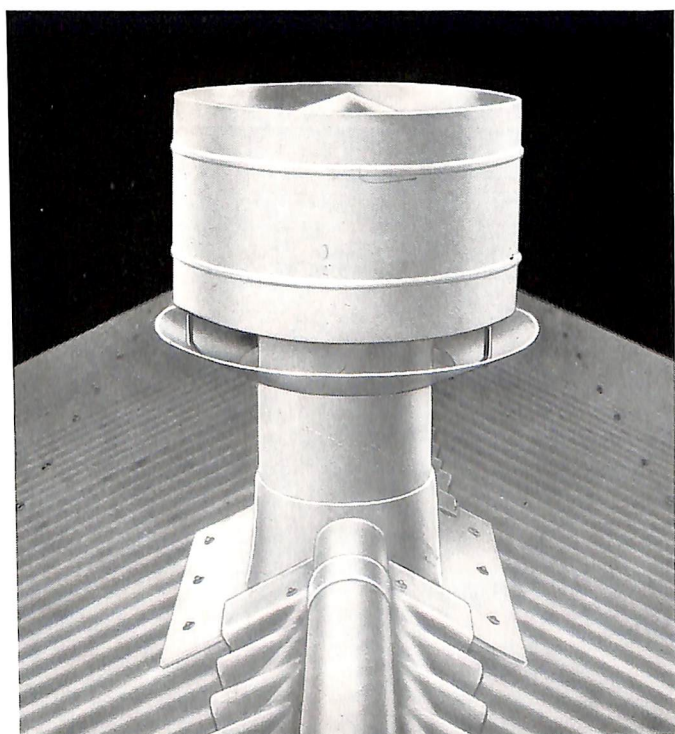
- (1) Diameter of ventilator.
- (2) Exact pitch of roof.
- (3) Whether ventilator is required for use with "Fibrolite" Super-Six or "Fibrolite-Standard" Corrugated Sheets.

For Ventilator for use with Roof Slope Base (Art. 232 with Art. 232B Base).

- (1) Diameter of ventilator.
- (2) Exact pitch of roof.
- (3) Whether ventilator is required for use with "Fibrolite" Super-Six or "Fibrolite-Standard" Corrugated Sheets.
- (4) Length of sheet in which base is to be moulded.
- (5) Position of centre of base in sheet.
- (6) Whether required for "left to right" or "right to left" fixing.

For Ventilator required with Special Base.

- (1) Diameter of ventilator.
- (2) Details of special base.

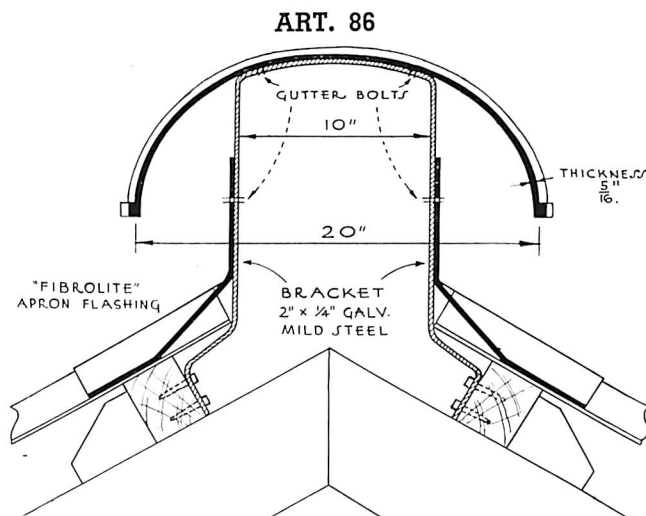
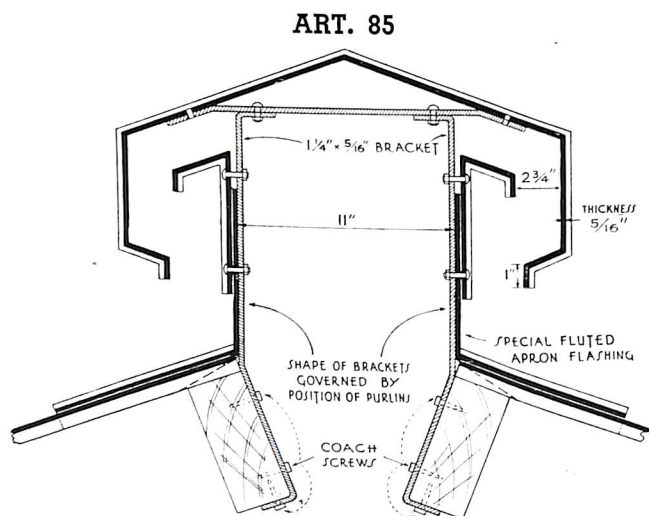


"Fibrolite"
Ventilator,
Art. 232,
with Base,
Art. 232A.

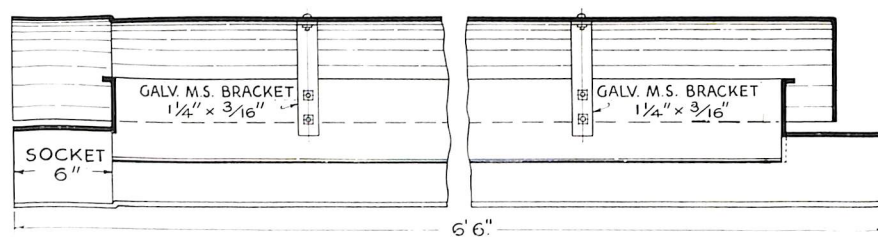
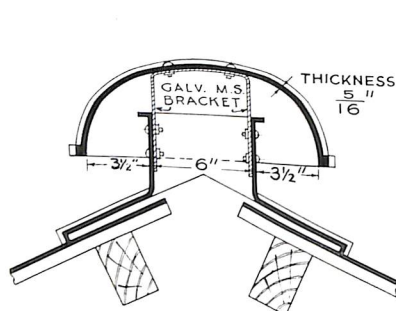
"Fibrolite" Ventilating Ridges—Art. 85, 86 and 89

Manufactured to order for use with "Fibrolite" Super-Six or "Fibrolite-Standard" Corrugated Sheets.

Ventilating Ridges illustrated are supplied unassembled with necessary galvanised mild steel brackets, screws and fittings, as illustrated, for assembling. "Fibrolite" special apron flashings, where shown in connection with the use of Ventilating Ridges, are included.



Lengths: 6' 6", nett cover 6'. Two brackets supplied with each length.
Stop-end caps supplied as ordered for Art. 85 and 86.



ART. 89—Unit Type Ventilating Ridge: Suitable for fixing on "Fibrolite" Super-Six or "Fibrolite-Standard" Corrugated Sheets.

Lengths: when fixed in separate units .. 6' 6"
" " continuous .. 6' 6" (6' effective)

Supplied for use:—

- (1) As single units with curved section stop-ended at both ends.
- (2) As continuous lengths, with sockets and stop-ends as required.

ORDER BY ART. No. AND STATE:—

For Art. 85, 86 and 89:

Pitch of ridge and total length to be covered. Give details of purlin positions at apex.

For Art. 85 and 86 only:

Whether to be used with "Fibrolite" Super-Six or "Fibrolite-Standard" Sheets and number of stop-ends required.

For Art. 89 only:

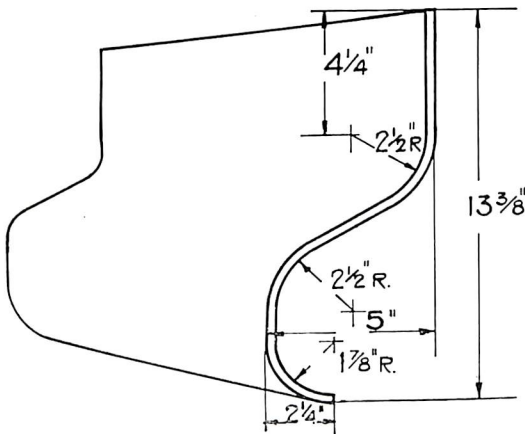
Whether to be used as single unit or continuous.

"Fibrolite" Louvre Blades

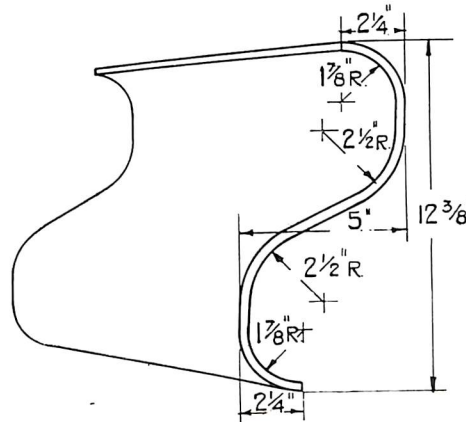
TYPICAL SECTIONS

Thickness: $\frac{5}{16}$ ". Maximum length: 6'.

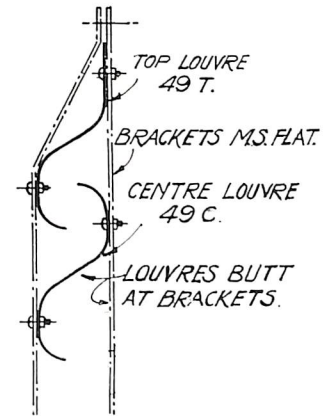
Supplied in plain lengths, not drilled.



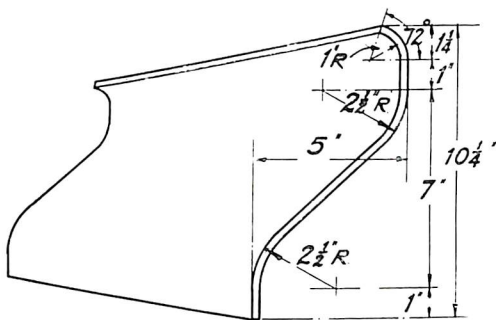
ART. 49T



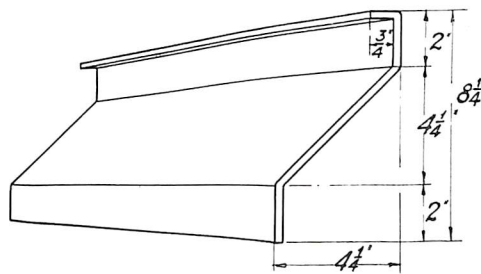
ART. 49C



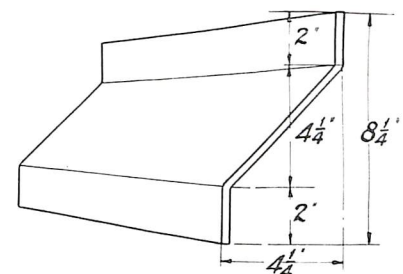
Suggested method of fixing.



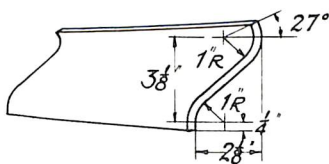
ART. 50



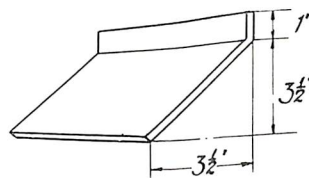
ART. 51



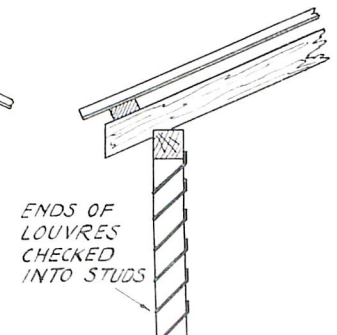
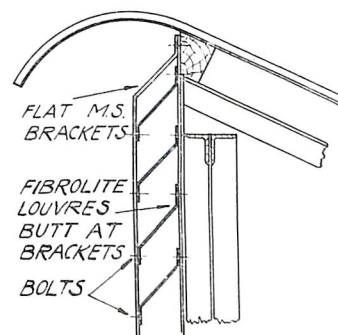
ART. 52



ART. 53



ART. 54



Typical arrangement of "Fibrolite" Louvre Blades fixed to wood or steel framework.

ORDER BY ART. No., AND STATE LENGTHS REQUIRED.

Draft Specifications

"FIBROLITE" CORRUGATED ROOFING

(COPYRIGHT)

Set out hereunder are draft specifications covering the use of various Hardie "Fibrolite" Products enumerated in this catalogue. It is recommended that these specifications be adopted as a standard by those providing for the use of Hardie's "Fibrolite" Corrugated Roofing. We have on our staff highly trained and experienced fixers and, by insisting on the fixing being carried out by us, users will **benefit by our experience during the past 20 years** and be assured of the best possible results.

The specifications given should be taken as an indication of our recommended practice. Specifications have not been given for all materials described in this catalogue, as this would entail needless repetition, but from the drafts set out the terms of the specification for any item may be readily deduced.

"Fibrolite" Super-Six Corrugated Sheets

Super-Six for Roofing:

Cover roofs as shewn on drawings with "Fibrolite" Super-Six Corrugated Sheets 3' 5½" wide to be supplied and fixed by the mitre method by James Hardie & Coy. Pty. Ltd., with end lap of not less than 6" and side lap of 2". (If conditions require, increase end lap and alter specification to 7" in lieu of 2" side lap.) All holes for bolts (or screws if for timber purlins) to be drilled, **not punched**, through sheets with drill ⅜" larger than the diameter of the bolt (or screw) used.

Purlins to be supplied and fixed by general contractor to suit the sheets, spaced at not more than 48" centres and in such a manner that the purlin at the end lap of each sheet is in the centre of such end lap.

Super-Six for Walls:

Cover walls as shewn on drawings with "Fibrolite" Super-Six Corrugated Sheets 3' 5½" wide to be supplied and fixed by the mitre method by James Hardie & Coy. Pty. Ltd., with end lap of not less than 4" and side lap of 7" (2" side lap is not recommended for use on walls). All holes for bolts (or screws if for timber girts) to be drilled, **not punched**, through sheets with drill ⅜" larger than the diameter of bolt (or screw) used.

Note: We recommend the use of "Fibrolite-Standard" Corrugated Sheets as being generally more suitable for walls—see page 52.

Girts to be supplied and fixed by general contractor to suit the sheets, those within 10' of the floor being spaced at a maximum of 48" centres. Above 10' from floor level, the girt spacing may be increased to 6', providing the side laps of the sheets are fastened together with 1" x ¼" galvanised gutter bolts midway between girts.

Corner Moulding:

All vertical corners to be finished with "Fibrolite" Corner Moulding, 6" x 6" x 2" (or 8" x 8") neatly fitted. In case of 6" x 6" x 2" corner moulding, scribe return edges to fit into corrugations of wall sheets.

Fixings:

The "Fibrolite" Super-Six Sheets and accessories are to be affixed to the purlins or girts by the use of:—

IF TO STEEL PURLINS OR GIRTS:—

¼" galvanised hook bolts with curved galvanised iron washer, and bituminous felt washer under same, beneath the nut of each bolt.

Alternatively:—

- (1) ¼" galvanised bolts and clips with curved galvanised iron washer, and bituminous felt washer under same, beneath the head of each bolt.
- (2) ¼" galvanised hexagon head set bolts tapped into steel purlins with curved galvanised washer and bituminous felt washer under same beneath the head of each bolt.

Refer to:—
Page Art. No.

9 78

9

9 78

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44 { 271
272

34

34

34

IF TO TIMBER PURLINS OR GIRTS:—

Galvanised roofing screws 3" x 13g., 3½" x 14g. and 4" x 14g. to be used for fixing one, two and three thicknesses of roofing sheets respectively as required in fixing, together with curved galvanised iron washer and bituminous felt washer under same, beneath the head of each screw.

Fixings to be fitted . . .

If Sheets fixed with 2" Side Lap:—

Through 1st and 5th corrugation rises.

If Sheets fixed with 7" Side Lap:—

Through 2nd and 5th corrugation rises.

Holes drilled in sheets and accessories for fixings to be sealed with plastic bitumen in accordance with Manufacturer's recommendations.

Ridge Capping:

Main Ridge to be covered with "Fibrolite" Super-Six 2-Piece Fluted Ridge Capping fixed to top purlins with similar fixings as for roof.

For 2" Side Lap see
" 7" " " "

Saw-tooth Ridge to be covered with "Fibrolite" Super-Six 1-Piece Fluted Saw-tooth Ridge Capping fixed to top purlins with similar fixings as for roof, ridge capping to have (specify cover required) on face of saw-tooth.

For 2" Side Lap see
" 7" " " "

Hip Capping:

Hips to be covered with "Fibrolite" 2-Piece Plain Roll Ridging (specify size) fixed to roof structure with similar fixings as for roof, using round lead washers in place of galvanised washers. Hip ridging to be bedded in cement compo. and same to be reinforced with wire netting. Compo. to be kept back 2" from outer edges of the ridging and 2" from top of roof sheet. (Compo. to be supplied by builder.)

Ridge Finishings:

Intersection of ridges and hips to be covered with purpose made "Fibrolite" Apex Caps. "Fibrolite" Hip Starters to be used at commencement of all hips.

Eaves or Gutter } Flashing:

Also acts as bird-proofing.

Fix at underside of roofing sheets at all eaves or box gutters, or where roofing crosses vertical walls, "Fibrolite" Super-Six Fluted Gutter Flashing.

For 2" Side Lap see
" 7" " " "

Apron Flashing:

At intersection of head of roof slopes with vertical abutments, fit "Fibrolite" Super-Six Fluted Apron Flashing to take lead over-flashing (or to fit up behind vertical wall sheeting). Apron flashing to have 9" cover on roof and 3" turn-up (increase turn-up if necessary).

For 2" Side Lap see
" 7" " " "

Note: "Fibrolite" Super-Six Fluted Apron Flashing can only be used where line of intersection of abutment is square with roof corrugations.

Side Flashing:

At intersection of roof sheets with side parapet walls fit "Fibrolite" Side Flashing Piece to take lead over-flashing or step-flashing (or to fit up behind vertical wall sheeting). Flashing to give 10" cover on roof. Turned down edge to be trimmed to the roofing sheets where necessary.

Birdproofing:

(Not required if gutter flashing specified.)

"Fibrolite" Scribed Birdproofing Piece to be nailed to gutter purlin (or fascia board) with galvanised nails and fitted well up into corrugations of roofing sheets.

For 2" Side Lap see
" 7" " " "

Note: See pages 53 and 54 for specifications relating to Skylights, Manholes, Window and Door Mouldings, Ventilators, Barge Mouldings, Ventilating Ridges, Box Gutters, Rainwater Heads, Eaves Gutters and Downpipes.

Refer to:—
Page Art. No.

10

34

10

15

15

96

96a

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99a

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17

{ 203
202

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87a

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98a

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{ 207R
207L

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18

88

88a

"Fibrolite-Standard" Corrugated Sheets

"Fibrolite-Standard" for Roofing:

Cover roofs as shewn on drawings with "Fibrolite-Standard" Corrugated Sheets 2' 7½" wide to be supplied and fixed by the mitre method by James Hardie & Coy. Pty. Ltd., with end lap of not less than 6" and side lap of 1½ corrugations. (If conditions require, increase end lap.) All holes for bolts (or screws if for timber purlins) to be drilled, **not punched**, through sheets with drill ⅜" larger than the diameter of the bolt (or screw) used.

Purlins or battens to be supplied and fixed by general contractor to suit the sheets, spaced at not more than 36" centres and in such a manner that the purlin at the end lap of each sheet is in the centre of such end lap.

"Fibrolite-Standard" for Walls:

Cover walls as shewn on drawings with "Fibrolite-Standard" Corrugated Sheets 2' 7½" wide to be supplied and fixed by the mitre method by James Hardie & Coy. Pty. Ltd., with end lap of not less than 4" and side lap of 1½ corrugations. All holes for bolts (or screws if for timber girts) to be drilled, not punched, through sheets with drill ⅜" larger than the diameter of the bolt (or screw) used.

Girts to be supplied and fixed by general contractor and spaced to suit the sheets, those within 10' of floor being spaced at a maximum of 48" centres. Above 10' from floor level, the girt spacing may be increased to 56" providing the side laps of the sheets are fastened together with 1" x ¼" galvanised gutter bolts, midway between girts.

Corner Moulding:

All vertical corners to be finished with "Fibrolite" Corner Moulding 6" x 6" x 1" (or 8" x 8") neatly fitted. In case of 6" x 6" x 1" corner moulding, scribe return edges to fit into corrugations of wall sheets.

Fixings:

The "Fibrolite-Standard" Sheets are to be affixed to the purlins or girts by the use of:—

IF TO STEEL PURLINS OR GIRTS:—

¼" galvanised hook bolts with curved galvanised iron washer and bituminous felt washer under same beneath the nut of each bolt.

Alternatively:—

- (1) ¼" galvanised bolts and clips with curved galvanised iron washer and bituminous felt washer under same beneath the head of each bolt.
- (2) ¼" galvanised hexagon head set bolts tapped into steel purlins with curved galvanised washer and bituminous felt washer under same beneath the head of each bolt.

IF TO TIMBER PURLINS OR GIRTS:—

Galvanised roofing screws 2" x 12g., 2½" x 12g. and 3" x 13g. to be used for fixing one, two and three thicknesses of roofing sheets respectively as required in fixing, together with curved galvanised iron washer and bituminous felt washer under same beneath the head of each screw.

Fixings are to be fitted through 2nd and 7th corrugation rises.

Holes drilled in sheets and accessories for fixings to be sealed with plastic bitumen in accordance with Manufacturer's recommendations.

Ridge Capping:

Main Ridge to be covered with "Fibrolite-Standard" 2-Piece Fluted Ridge Capping fixed to top purlins with similar fixings as for roof.

Alternatives (state size required):

- (1) "Fibrolite" 2-Piece Plain Roll Ridging.
- (2) "Fibrolite" 1-Piece Plain Angular Ridging.

Saw-tooth Ridge to be covered with "Fibrolite-Standard" 1-Piece Fluted Saw-tooth Ridging fixed to top purlins with similar fixings as for roof. Ridge Capping to have (specify cover required) on face of saw-tooth.

Refer to:—
Page Art. No.

23 75

23

23

23

44 (270
272)

34

34

34

24

34

24

29 60

30 95

32 92

29 61

		Refer to:—	
		Page	Art. No.
<i>Alternative (state size required):</i>			
	"Fibrolite" 1-Piece Plain Angular Ridging.	32	92
	Note: If either of the alternative ridgings be chosen, cement compo. should be specified as given under hip capping.		
Hip Capping:	Hips to be covered with "Fibrolite" 2-Piece Plain Roll Ridging (specify size) fixed to roof structure with similar fixings as for roof, using round lead washers in place of galvanised washers.	30	95
	<i>Alternative (state size required):</i>		
	"Fibrolite" 1-Piece Plain Angular Ridging.	32	92
	Hip Ridging to be bedded in cement compo. and same to be kept back 2" from outer edges of the ridging and 2" from top of roof sheet. (Compo. to be supplied by builder.)		
Ridge Finishings:	Intersection of ridges and hips to be covered with purpose made "Fibrolite" Apex Caps. "Fibrolite" Hip Starters to be used at commencement of all hips.	31	{ 208 209 202
Eaves or Gutter } Flashing:	Fix at underside of roofing sheets at all eaves or box gutters, or where roofing crosses vertical walls, "Fibrolite-Standard" Fluted Gutter Flashing.	33	63
Apron Flashing:	At intersection of head of roof slopes with vertical abutments, fit "Fibrolite-Standard" Fluted Apron Flashing, to take lead over-flashing (or to fit up behind vertical wall sheeting). Apron Flashing to have 8" cover on roof and 3" turn-up. (Increase turn up if necessary.)	33	62
	Note: "Fibrolite-Standard" Fluted Apron Flashing can only be used where line of intersection of abutment is square with roof corrugations.		
Side Flashing:	At intersection with side parapet walls fit "Fibrolite" Side Flashing Piece to take lead over-flashing or step-flashing (or to fit up behind vertical wall sheeting). Flashing to give 6" cover on roof. Turned down edge to be trimmed to the roofing sheets where necessary.	33	{ 218L 218R
Note: See information hereunder and on page 54 for specifications relating to Skylights, Manholes, Window and Door Mouldings, Ventilators, Barge Mouldings, Ventilating Ridges, Box Gutters, Rainwater Heads, Eaves Gutters and Downpipes.			

"Fibrolite" Products for use with either "Fibrolite" Super-Six or "Fibrolite-Standard" Corrugated Sheets

		Refer to:—	
		Page	Art. No.
Skylights:	Fit in positions shewn on drawings "Fibrolite" Fixed (or Louvred) Skylights glazed with $\frac{1}{4}$ " wired glass to be fixed in similar manner as for roofing sheets. (Specify size of opening required.)		
	For "Fibrolite" Super-Six Skylight, see	14	{ 80-81 83-84
	„ "Fibrolite-Standard" „ „	28	{ 76-77 73-74
Manholes:	Fit in positions shewn in drawings "Fibrolite" Manhole Sheets complete with suitable cover to be fixed in similar manner as for roofing sheets.	44	69
Window and Door Mouldings:	All openings to be finished with "Fibrolite" Window and Door Mouldings, using heads, stiles and sills, as required, neatly fitted at intersections and scribed to fit against corrugations.	45	

		Refer to:—	
		Page	Art. No.
Ventilators:	Fit in positions shewn "Fibrolite" Exhaust Ventilators (specify size required). Bases for Ventilators to be:— (1) Where fixed to roof slope, moulded in roofing sheets. (2) Where fixed in ridge, made to suit angle of ridge and properly flashed by means of "Fibrolite" Ridge Base Flashing Pieces.	46 }	232
		47 }	
		47	232B
Barge Mouldings:	Fit at verges "Fibrolite" Barge Moulding (specify Art. No. required) fixed to roof purlins through roofing sheets. Vertical faces of barge moulding to be securely fixed to ends of purlins (or timber barge board) (or raking girt). Junction of barge moulding and ridge to be fitted with purpose made "Fibrolite" Stop-end Cap.	43	102
			103
			104
Ventilating Ridge:	Fit where shewn on drawings "Fibrolite" Ventilating Ridge, complete with all necessary brackets and fittings (specify Art. No. required). Ends to be finished where necessary with "Fibrolite" Stop-end Cap, to be suitably flashed at intersection with ridging.	48	105
			106
Box Gutters:	Fit where shewn "Fibrolite" Box Gutters with integral sockets (specify widths required) to be supplied and fixed by James Hardie & Coy. Pty. Ltd., to be laid to falls as shewn on detail drawings. Gutters to have a minimum depth of 4" falling to (specify maximum depth required), sides of gutters to be made with increasing depth to allow for fall, keeping top edge of sides well up to underside of roof sheets in all cases. Gutters to be laid on timber gutter bearers (or steel brackets) supplied and fixed in place by general contractor and spaced at a maximum of 2' 5". Joints of box gutters to be bolted and sealed with rubber cord and bituminous compound in accordance with standard practice. Outlets, sumps, stop-ends, angles to box gutters to be purpose made in "Fibrolite."	35 }	85
			86
			89
Eaves Gutters:	Fit where shewn "Fibrolite" Eaves Gutters (specify size required) to be supplied and fixed by James Hardie & Coy. Pty. Ltd. Gutters to be supported by 1" x $\frac{3}{16}$ " galvanised iron brackets securely screwed to fascia board at intervals of not more than 3' and set to give falls to outlets as shewn. Joints of gutters to be bolted and sealed with bituminous compound in accordance with standard practice. Outlets, stop-ends, angles to eaves gutters to be purpose made in "Fibrolite."	36 }	130
Rainwater Heads:	Fit where shewn "Fibrolite" External Rainheads with suitable outlets for downpipes and secure to wall with galvanised iron brackets. (Specify size of head required.)	38	170
			171
Downpipes:	Fit "Fibrolite" Downpipes (specify size required) to be supplied and fixed by James Hardie & Coy. Pty. Ltd., with offsets, shoes, spreaders, etc., as shewn on drawings. Downpipes to be fixed by means of 1" x $\frac{1}{8}$ " galvanised iron brackets, screwed (or bolted) to wall and fitted well up under socket of downpipe.	36	132
			133
			134
		38	177
		40	112
			122

SECTION 4

Illustrations given on the following pages show a few typical examples of Government buildings, factories, industrial works, warehouses, wool stores, theatres, hospitals, and buildings of various types on which Hardie's "Fibrolite" Corrugated Roofing is being regularly used throughout Australia and New Zealand.

"SS" denotes — "Fibrolite" Super-Six Corrugated Sheets.
"S" " " "Fibrolite-Standard" Corrugated Sheets.



"SS"

Messrs. H. V. McKay Massey Harris Pty. Ltd., Office & Works, Concord, Sydney.

The above illustration shows portion of the "Fibrolite" Corrugated Roofing used on the large, modern Works of this well-known Company.

ARCHITECTS: Messrs. Stephenson Meldrum & Turner.

ENGINEER: Mr. C. S. Steele.

BUILDERS: Messrs. William Hughes & Co. Ltd.

Area "Fibrolite" Roofing: 113,500 square feet. Area "Fibrolite" Walling: 9,800 square feet.

Date fixed: August, 1937.



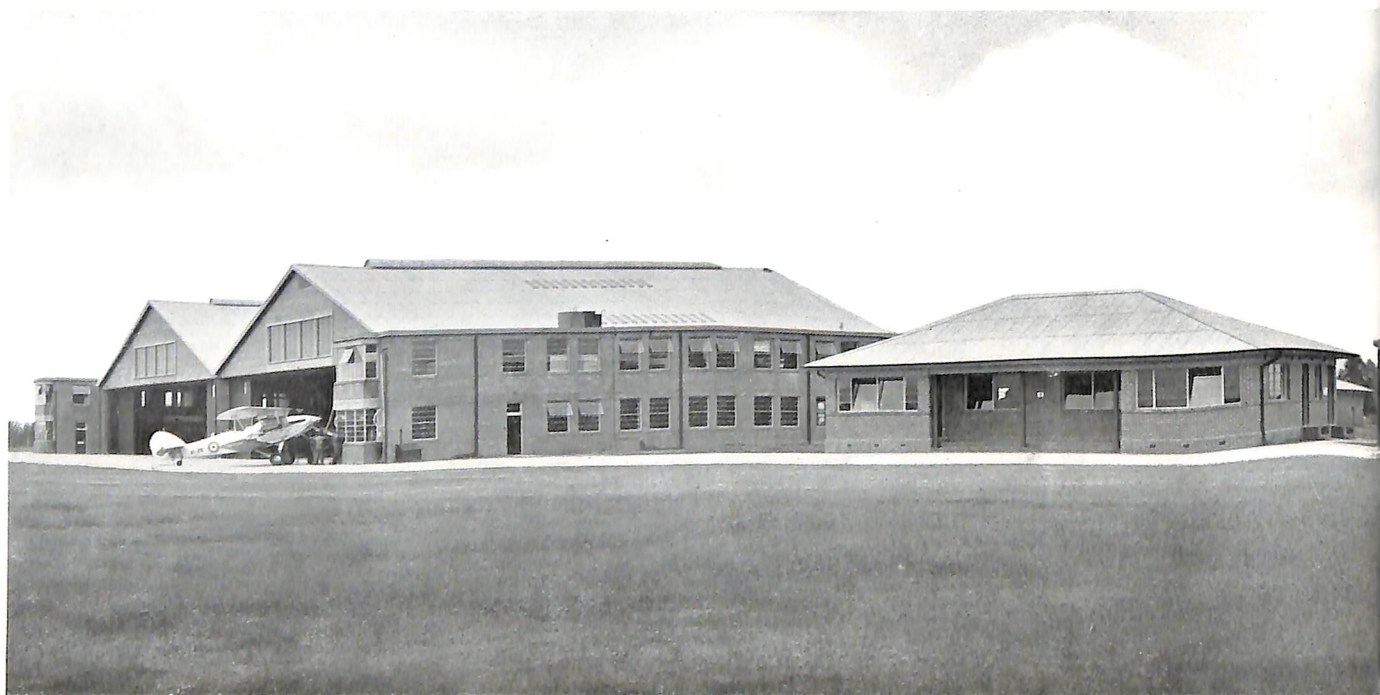
The De Havilland Aircraft Pty. Ltd., No. 1 Hangar, Aerodrome, Mascot, Sydney.

ARCHITECTS: Messrs. Esmond B. Wilshire & Hodges.

BUILDER: Mr. F. G. Woodgate.

Area "Fibrolite" Roofing: 6,945 square feet.

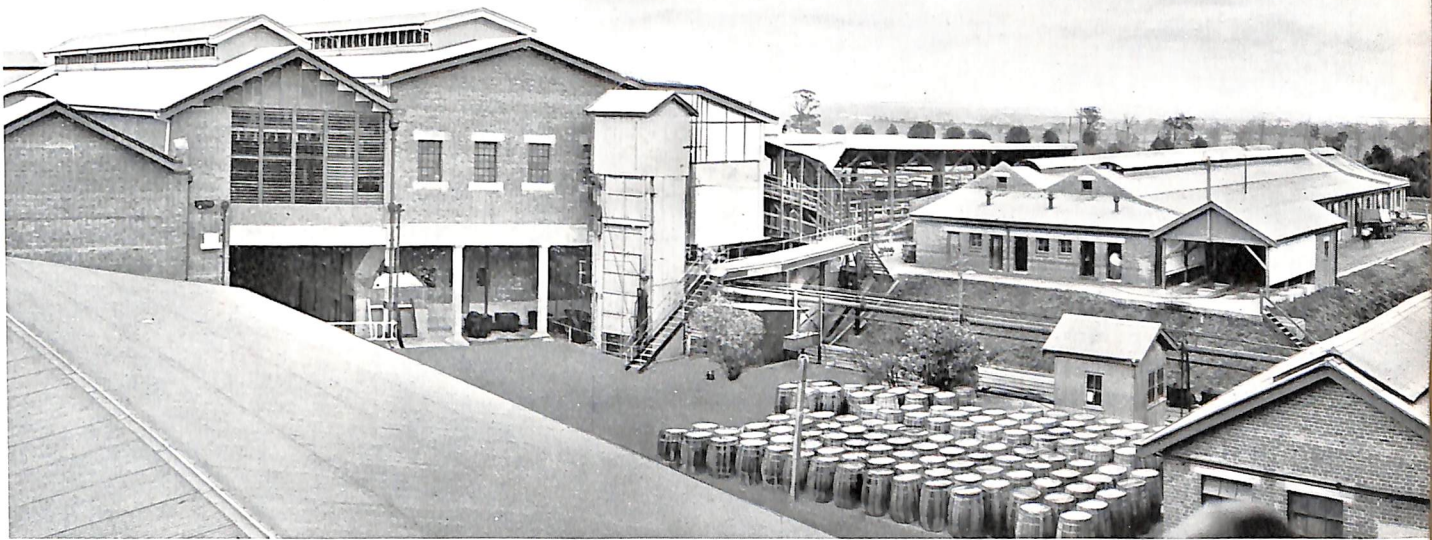
Date fixed: January, 1936.



Royal Australian Air Force Station,

BUILDERS: (Various Sections) Messrs. Hogden Bros. Messrs. Hutcherson Bros. Messrs. Kell & Rigby. McConnell Building Co. Ltd. Messrs. Palmer & Powell.

Approximately 175,000 square feet of "Fibrolite" Corrugated Sheets have been used since 1929 for roofing Hangars and various buildings at the R.A.A.F. Station, Richmond, including those shown in the above illustrations.



"S & SS"

State Abattoir and Meat Works, Metropolitan Meat Industry Commission, Homebush, Sydney.

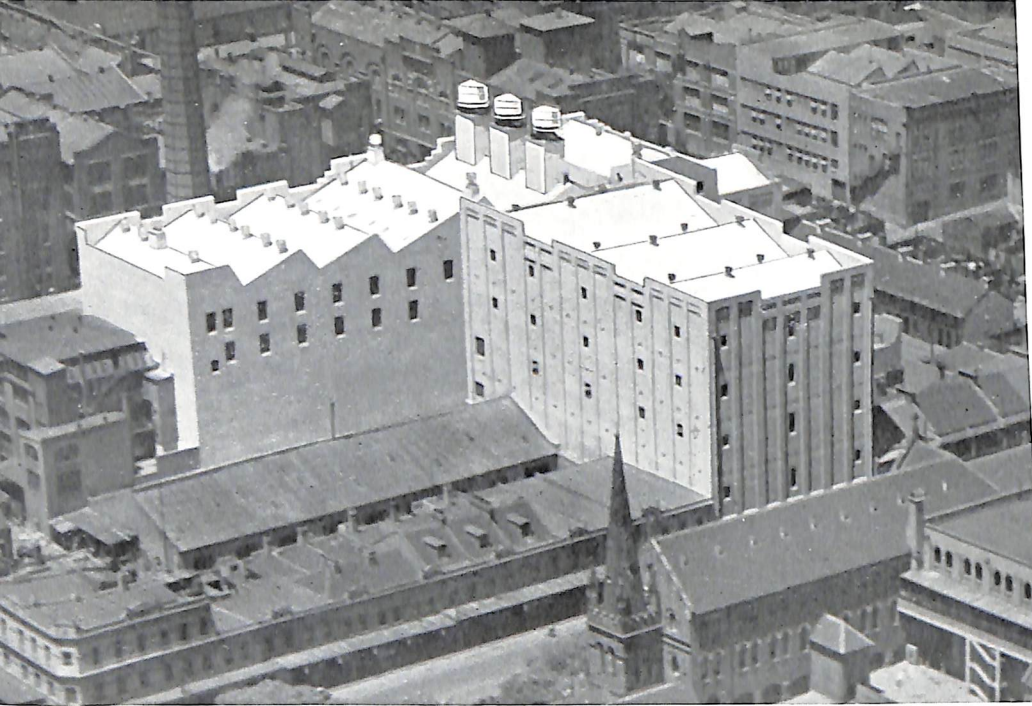
BUILDERS: Concrete Constructions Ltd.

Approximately 89,500 square feet of "FIBROLITE" Corrugated Sheets have been used since 1924 for roofing various buildings at the N.S.W. State Abattoir and Meat Works, Homebush.



Richmond, New South Wales.

The Commonwealth Government of Australia have also used approximately 164,200 square feet of "Fibrolite" Corrugated Sheets for roofing Hangars and other buildings at the Royal Australian Air Force Station, Laverton, Victoria.



**Barley Store and Maltings,
Messrs. Tooth & Co. Ltd.,
Brewers, Sydney.**

ARCHITECTS:

Messrs. Copeman, Lemont & Keesing.

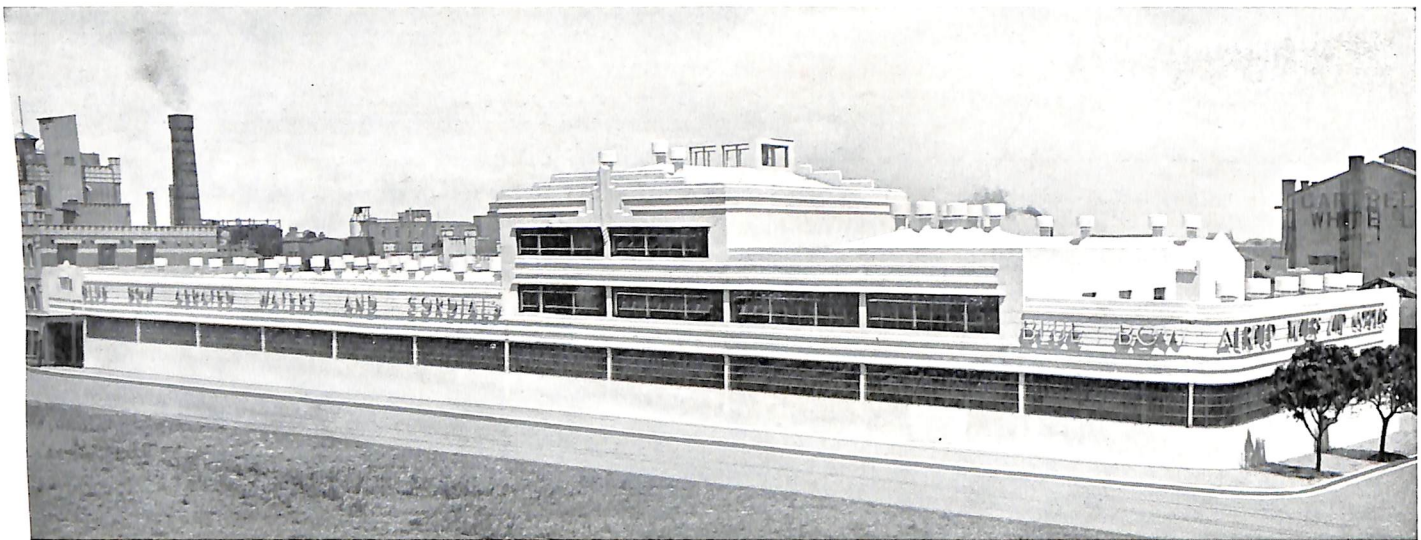
BUILDERS:

Barley Store: Messrs. John Grant & Sons Ltd.

Maltings: Messrs. Kell & Rigby.

Approximately 52,500 square feet of "FIBROLITE" Corrugated Sheets have been used since 1934 for roofing various buildings at the above Brewery for Messrs. Tooth & Coy. Ltd.

"S & SS"



"SS"

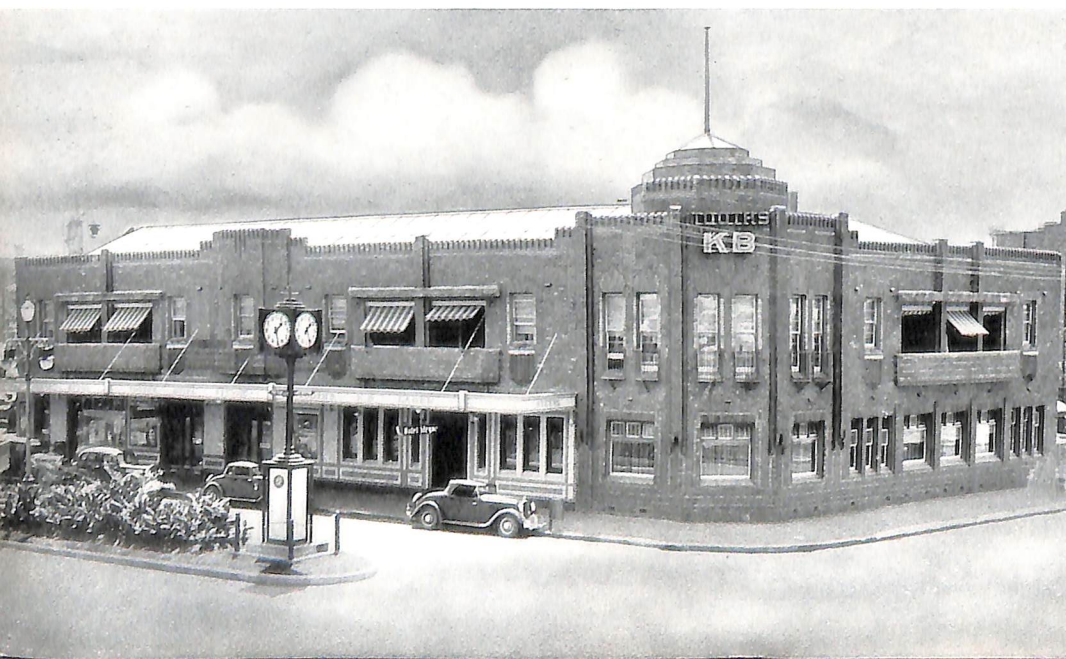
Blue Bow Aerated Water & Cordial Factory, Messrs. Tooth & Co. Ltd., Redfern, Sydney

ARCHITECTS: Messrs. Copeman, Lemont & Keesing.

BUILDERS: Concrete Constructions Ltd.

Area "Fibrolite" Roofing: 44,100 square feet.

Dated fixed: August, 1936.



Hotel Steyne, Manly, N.S.W.

ARCHITECTS:

Messrs. Copeman, Lemont & Keesing.

BUILDERS:

Messrs. H. W. Thompson & Co.

Area "Fibrolite" Roofing:
11,000 square feet.

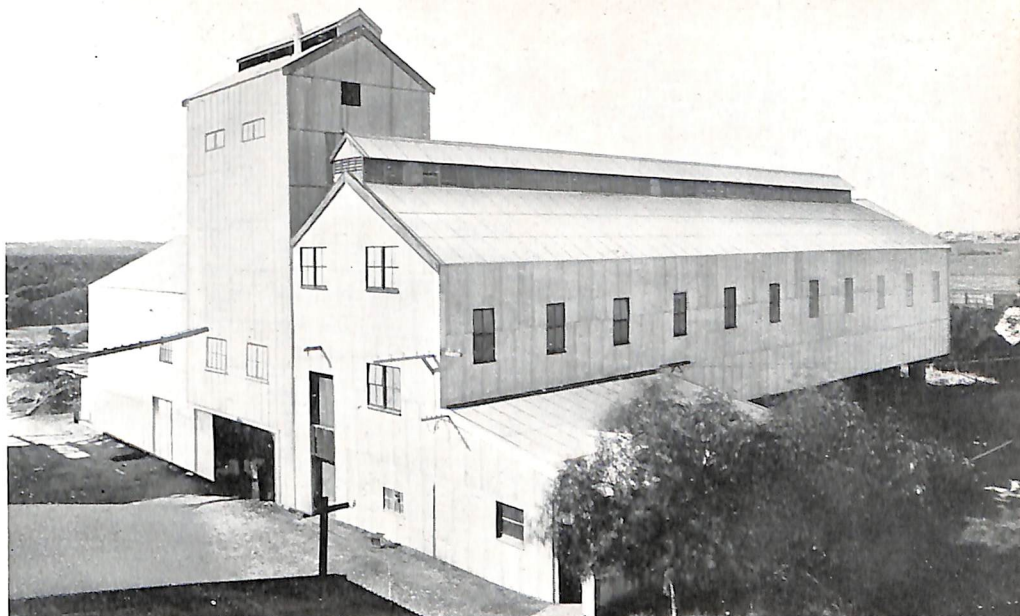
Date fixed: December, 1935.

"SS"

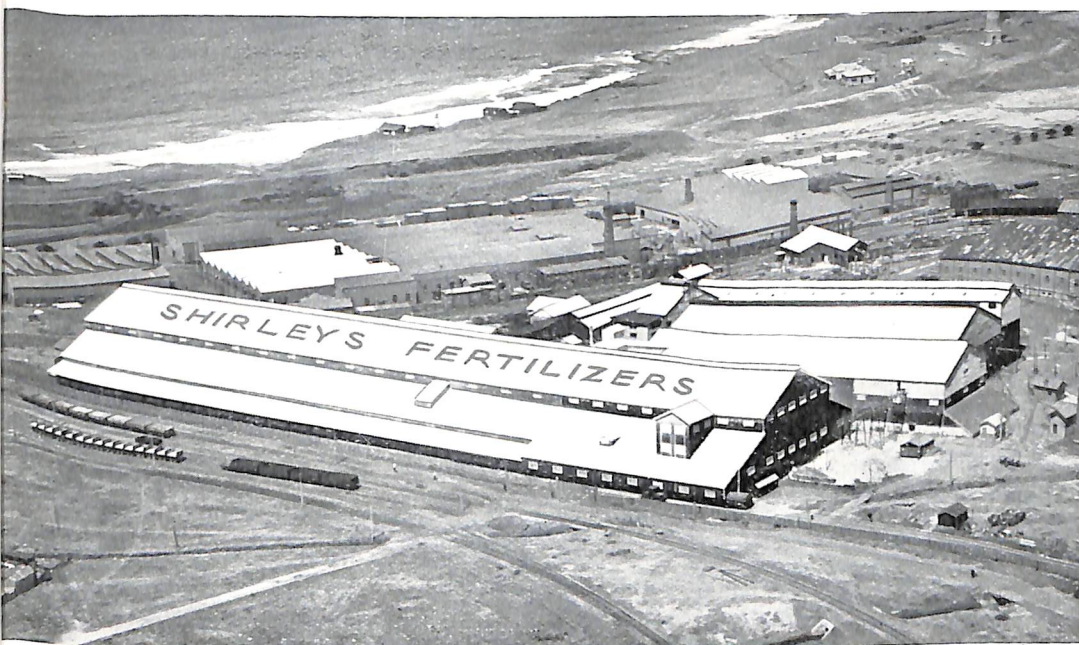
**General Chemical Coy. Ltd.,
Works, Clyde, N.S.W.**

Area "Fibrolite" Roofing:
44,522 square feet.

Dates fixed:
Various from 1922 to 1932.



"S"



**Australian Fertilizers Ltd.,
Works, Port Kembla, N.S.W.**

Area "Fibrolite" Roofing:
125,000 square feet.

Dates fixed:
Various from 1921 to 1937.

"S & SS"

**The Australian Cream Tartar Co. Pty. Ltd.,
Factory, Camellia, Sydney.**

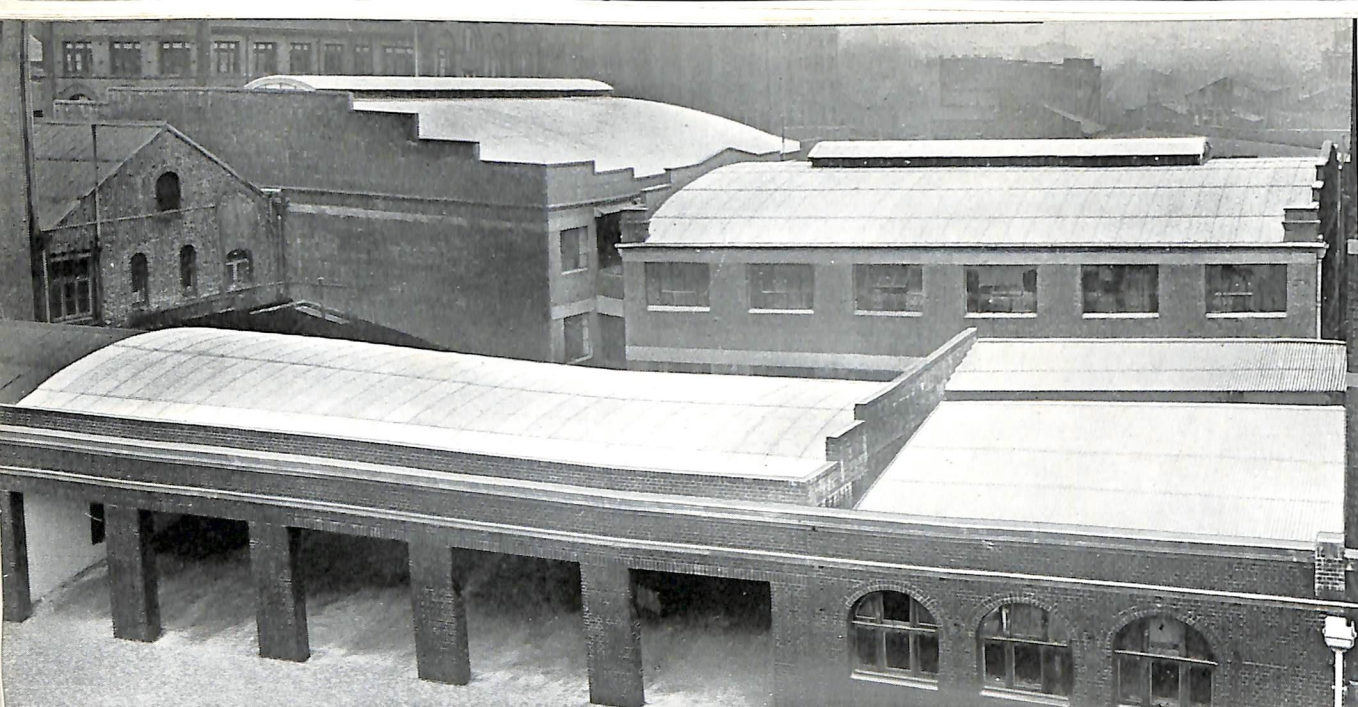
BUILDERS:
Concrete Constructions Ltd.

Area "Fibrolite" Roofing:
51,000 square feet.

Dates fixed:
Various from 1927 to 1936.



"S & SS"



"S"

Dairy Farmers' Co-op. Milk Co. Ltd., Garages, etc., Headquarters, Ultimo, Sydney.

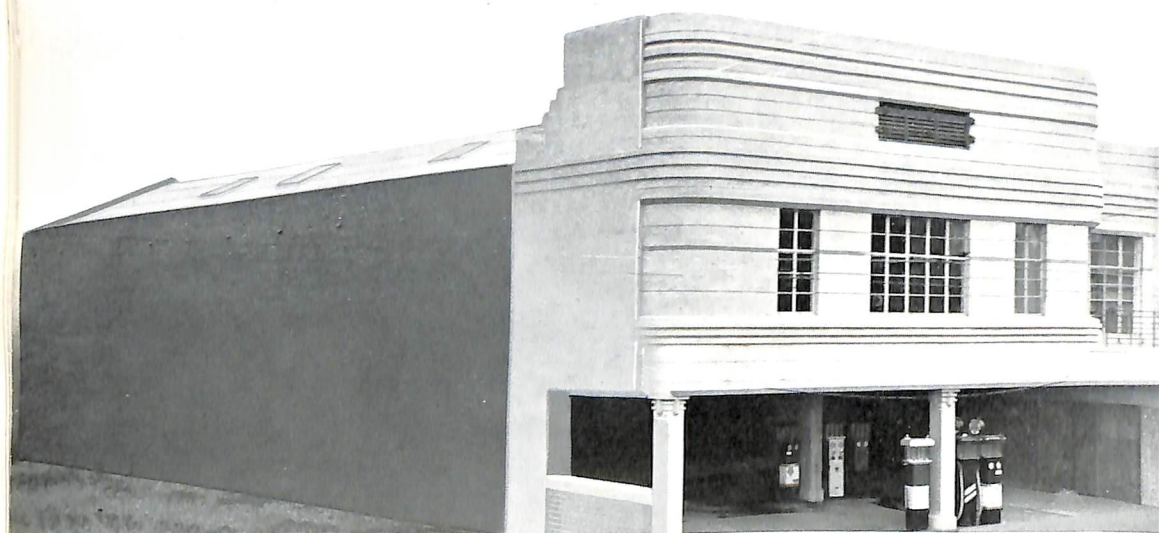
ARCHITECT: Mr. A. C. Likely.

ENGINEER: Mr. Malcolm S. Stanley.

Area "Fibrolite" Roofing: 21,223 square feet.

Dates fixed: 1936 and 1937.

In addition to the above buildings, the Dairy Farmers' Co-op. Milk Co. Ltd., have used approximately 20,600 square feet of "Fibrolite" Corrugated Sheets since 1932 for roofing various other buildings, including their Depots at Waverley, North Sydney and Kensington and their large stables at Kensington.



"SS"

Newcastle & Suburban Co-op. Society Ltd., Wickham, New South Wales.

ARCHITECTS:

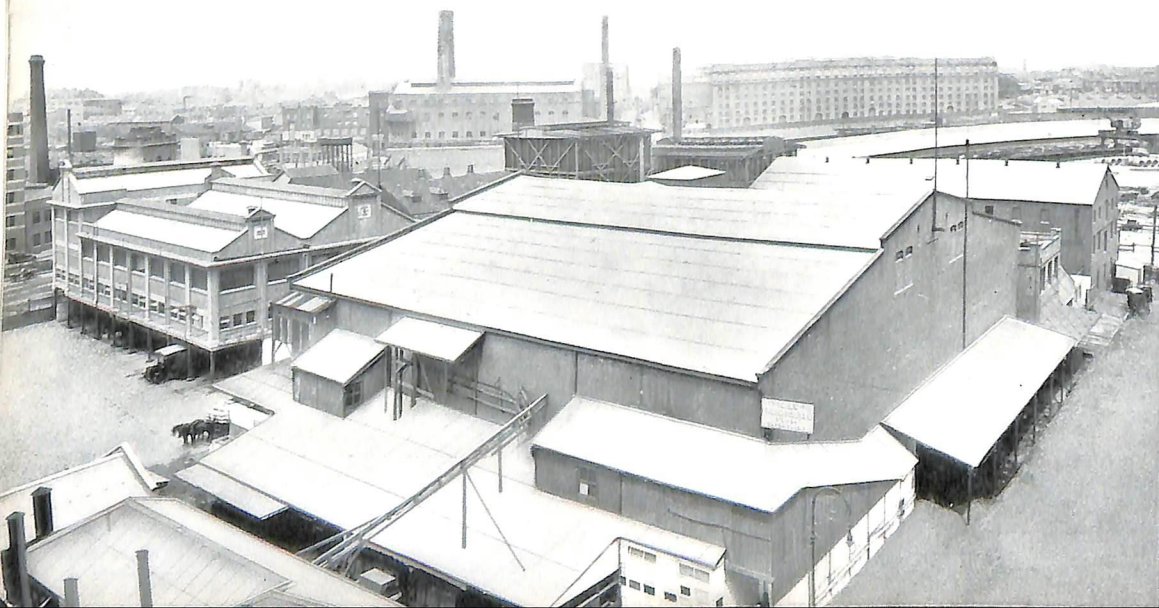
Messrs. J. W. Oldham & Lees.

BUILDER:

Mr. J. E. Parry.

Area "Fibrolite" Roofing:
9,000 square feet.

Date fixed: July, 1936.



Fresh Food & Ice Coy. Ltd., Harbour Street, Sydney.

Area "Fibrolite" Roofing:
73,350 square feet.

Dates fixed:

Various from 1925 to 1935.

"S"

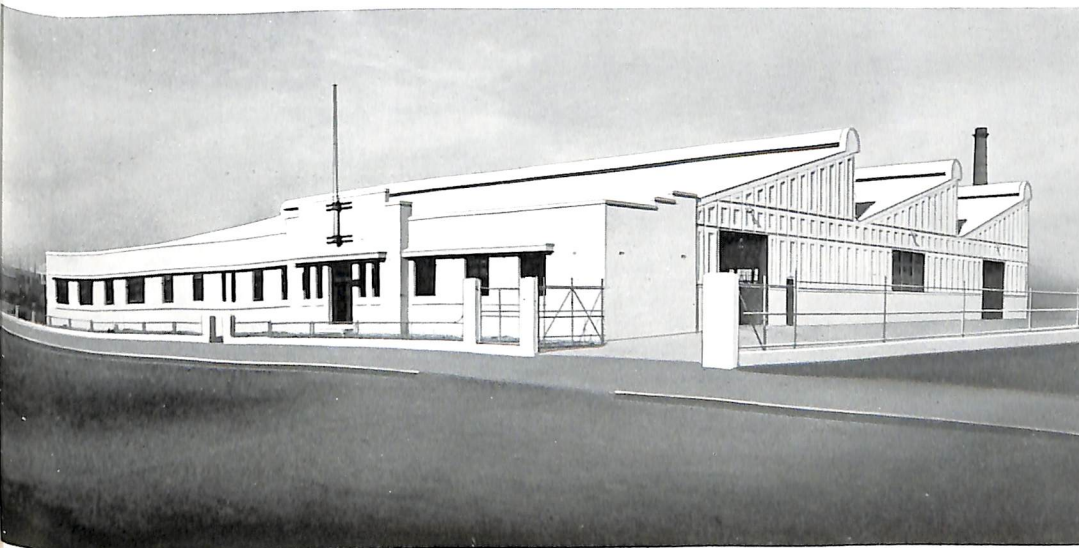


"SS"

Automatic Fire Sprinklers Pty. Ltd., Works, Alexandria, Sydney.

Area "Fibrolite" Roofing: 12,833 square feet.

Date fixed: September, 1936.



**National Motor Springs Pty. Ltd.,
Works, Alexandria, Sydney.**

BUILDER:

Mr. W. J. Bradshaw.

Area "Fibrolite" Roofing:

28,263 square feet.

Date fixed: July, 1937.

An interesting feature of this building is the "Fibrolite" Moulded Wall Panelling used on the side walls, as shown in illustration. Particulars regarding these panels will be supplied on request.

"SS"

**Messrs. E. G. Bishop Pty. Ltd.,
Engineering Works, Chippendale,
Sydney.**

ARCHITECT:

Mr. Adrian Ashton.

ENGINEER:

Mr. Malcolm S. Stanley.

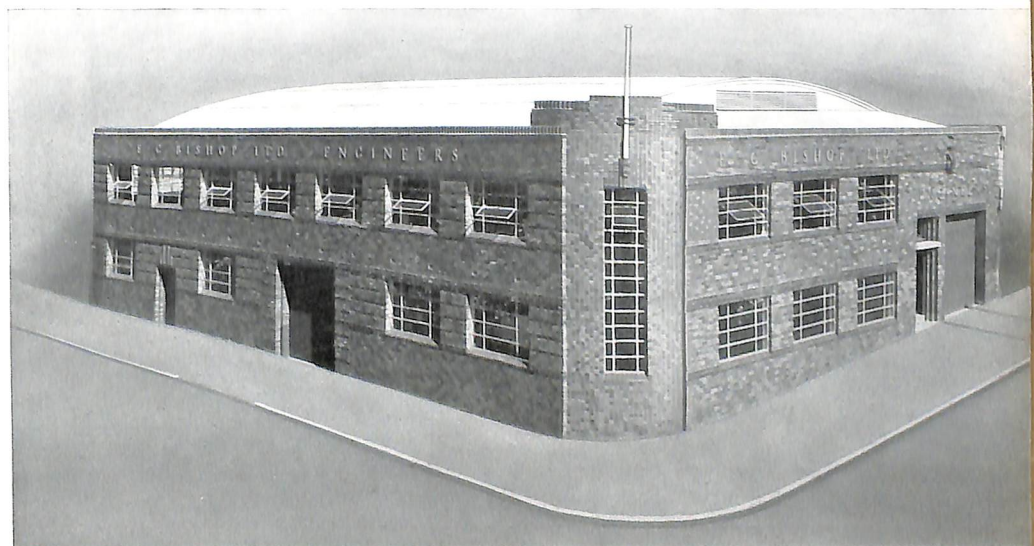
BUILDERS:

Messrs. F. T. Eastment & Sons.

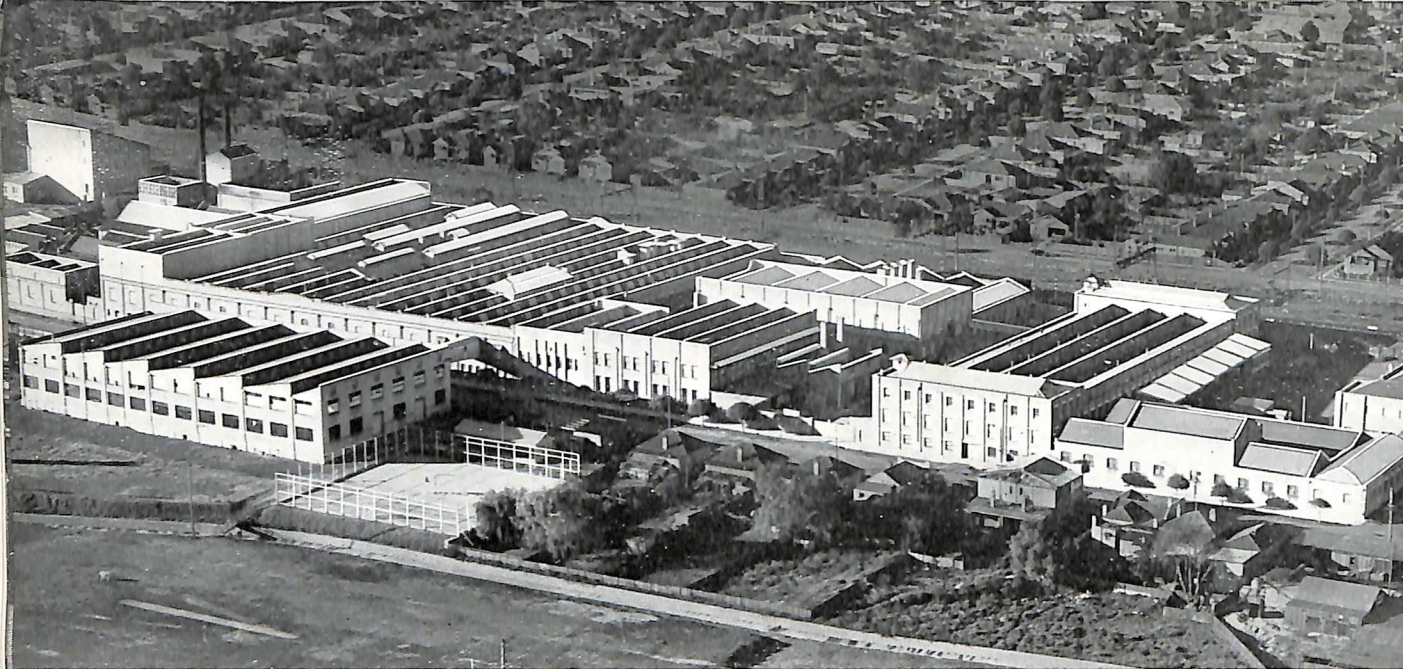
Area "Fibrolite" Roofing:

5,380 square feet.

Date fixed: June, 1936.



"S"

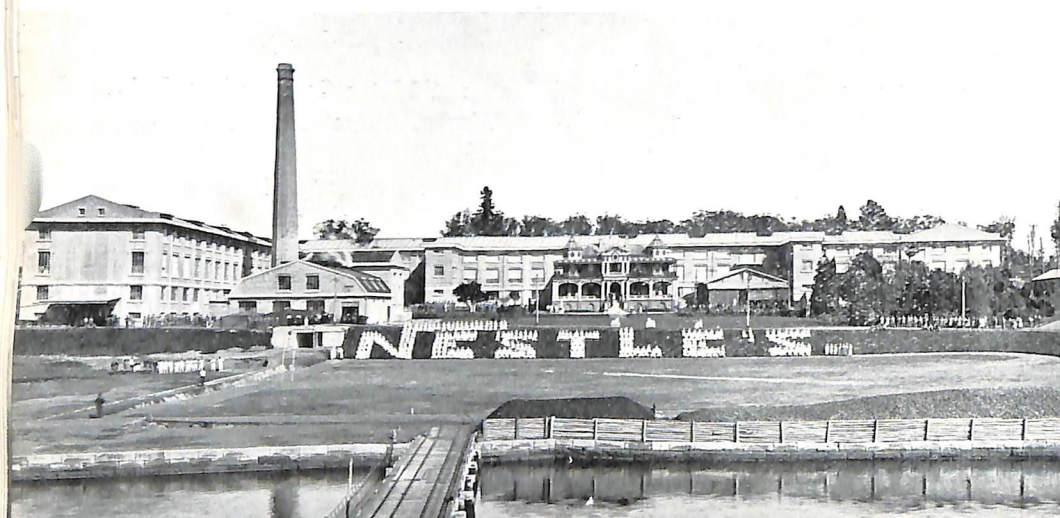


"S"

Messrs. Wm. Arnott Ltd., Factory, Homebush, Sydney.

Area "Fibrolite" Roofing: 152,000 square feet.

Dates fixed: 1922, 1923.



Nestlé & Anglo-Swiss Condensed Milk Co. (Australasia) Ltd., Factory, Abbotsford, Sydney.

ARCHITECTS:

Messrs. Robertson, Marks & McCredie.

BUILDERS:

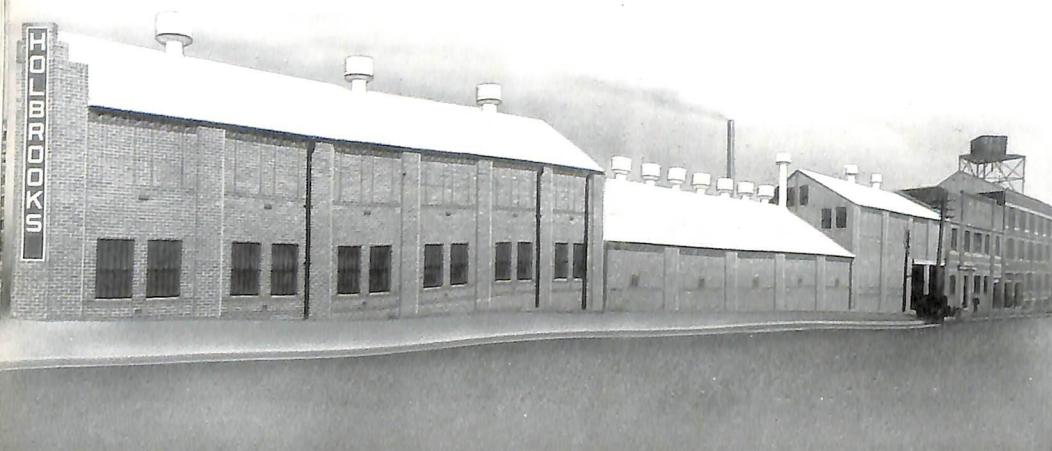
Messrs. John Grant & Sons Ltd.

Area "Fibrolite" Roofing: 52,300 square feet.

Date fixed: November, 1925.

The Nestlé & Anglo-Swiss Condensed Milk Co. (Australasia) Ltd., have also used approx. 42,700 square feet of "Fibrolite" Corrugated Sheets for roofing their premises at Foveaux and Crown Streets, Sydney, and at Smithtown, N.S.W.

"S"



Messrs. Holbrooks Pty. (A/asia) Ltd., Factory, Waterloo, Sydney.

ARCHITECTS:

Messrs. Copeman, Lemont & Keesing.

BUILDERS (recent additions):

Messrs. H. W. Thompson & Co.

Mr. P. Bottomley.

Mr. S. C. Molineaux.

Area "Fibrolite" Roofing: 29,350 square feet.

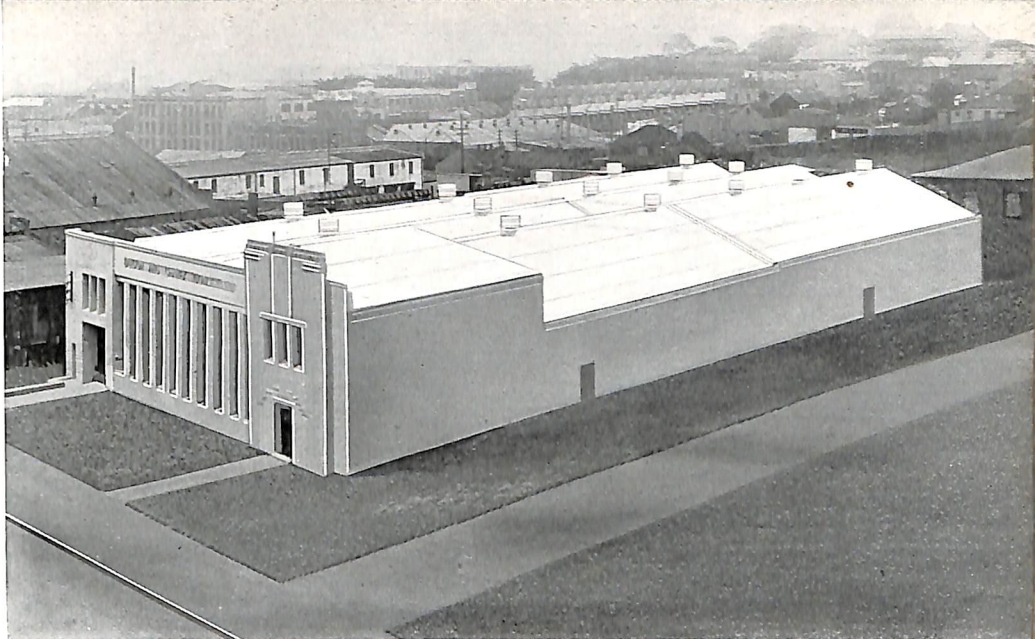
Dates fixed: Various from 1921 to 1937.

"SS"

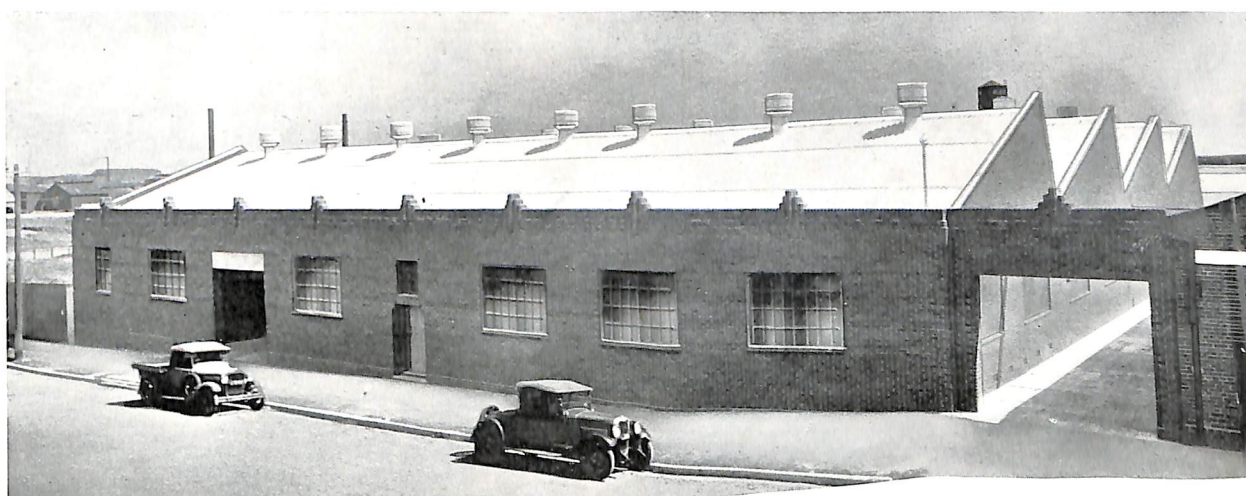
**Ducon Condenser Pty. Ltd.
Waterloo, Sydney.**

Area "Fibrolite" Roofing:
37,790 square feet.

Date fixed: October, 1934.



"SS"



"SS"

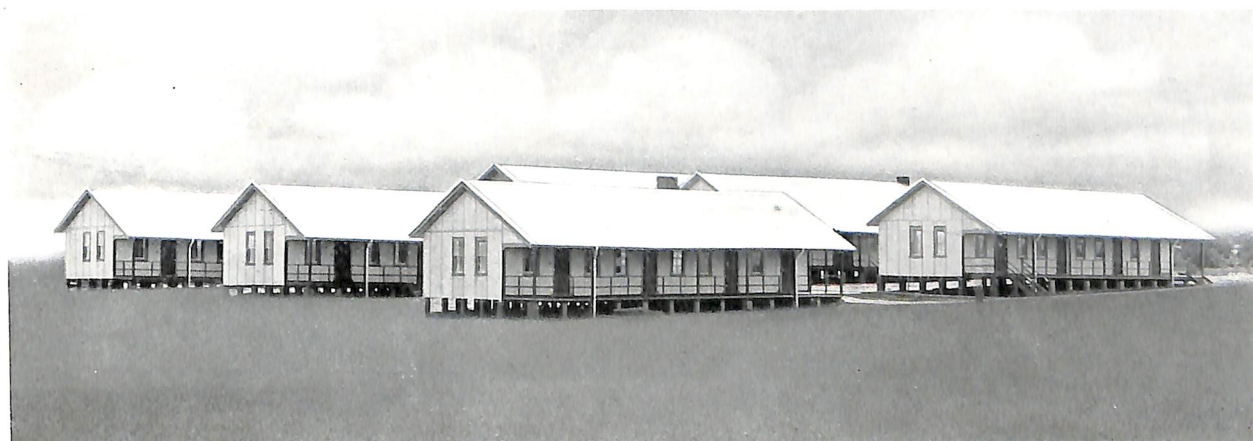
Messrs. Frank G. Spurway & Sons Pty. Ltd., Factory, Alexandria, Sydney.

ARCHITECTS: Messrs. Stafford & Moor.

BUILDER: Mr. W. M. Martin.

Area "Fibrolite" Roofing: 17,862 square feet.

Dates fixed: 1935 and 1937.



"S"

Buildings at Prince Henry Hospital, Little Bay, Sydney.

Approximately 51,000 square feet of "Fibrolite" Corrugated Sheets have been used since 1922 for roofing various buildings at the above hospital.



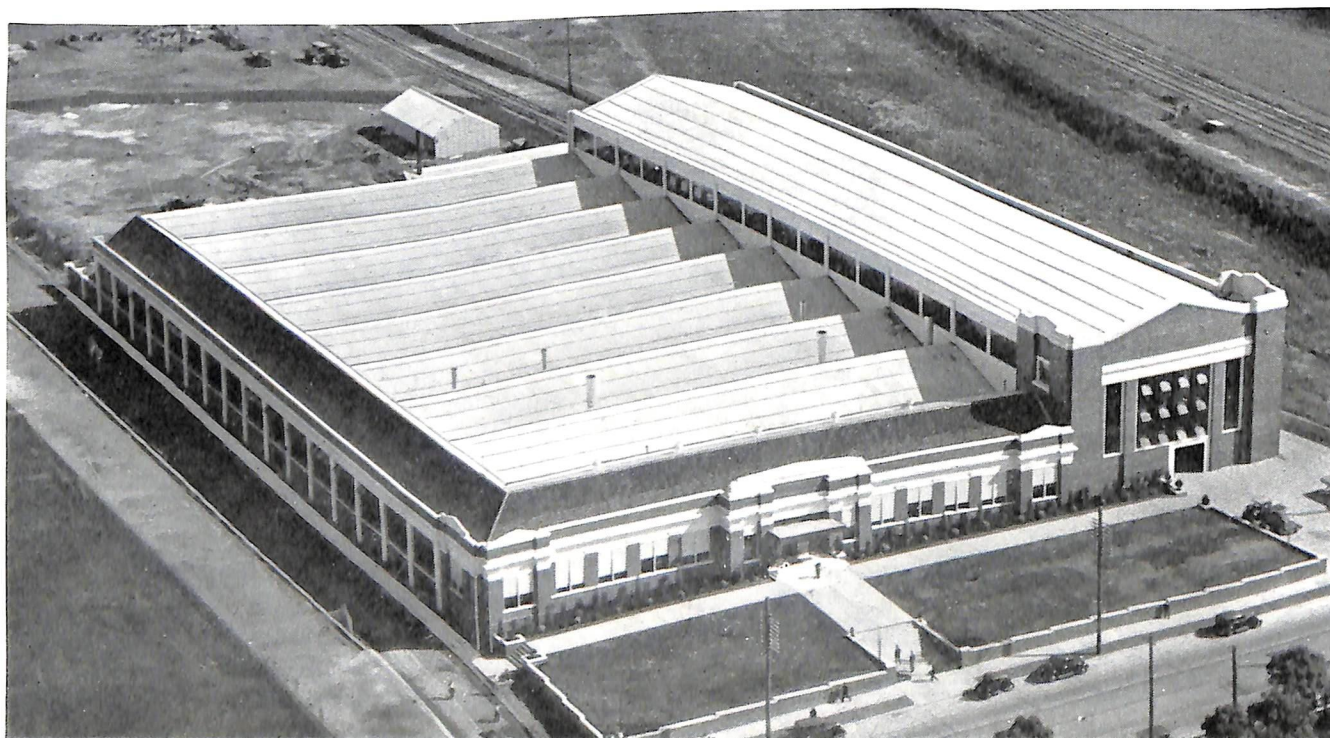
"S"

Ford Motor Coy. of Australia Pty. Ltd.

BUILDERS: Messrs. J. C. Taylor & Sons Pty. Ltd.

Area "Fibrolite" Roofing: 145,000 square feet.

Date fixed: 1925.



"SS"

Ford Motor Coy. of Australia Pty. Ltd., Assembly Factory, Homebush, Sydney.

ARCHITECTS: Messrs. Stephenson, Meldrum & Turner.

CONSULTING ENGINEER: Mr. C. S. Steele.

BUILDERS: Messrs. Stuart Bros. Ltd.

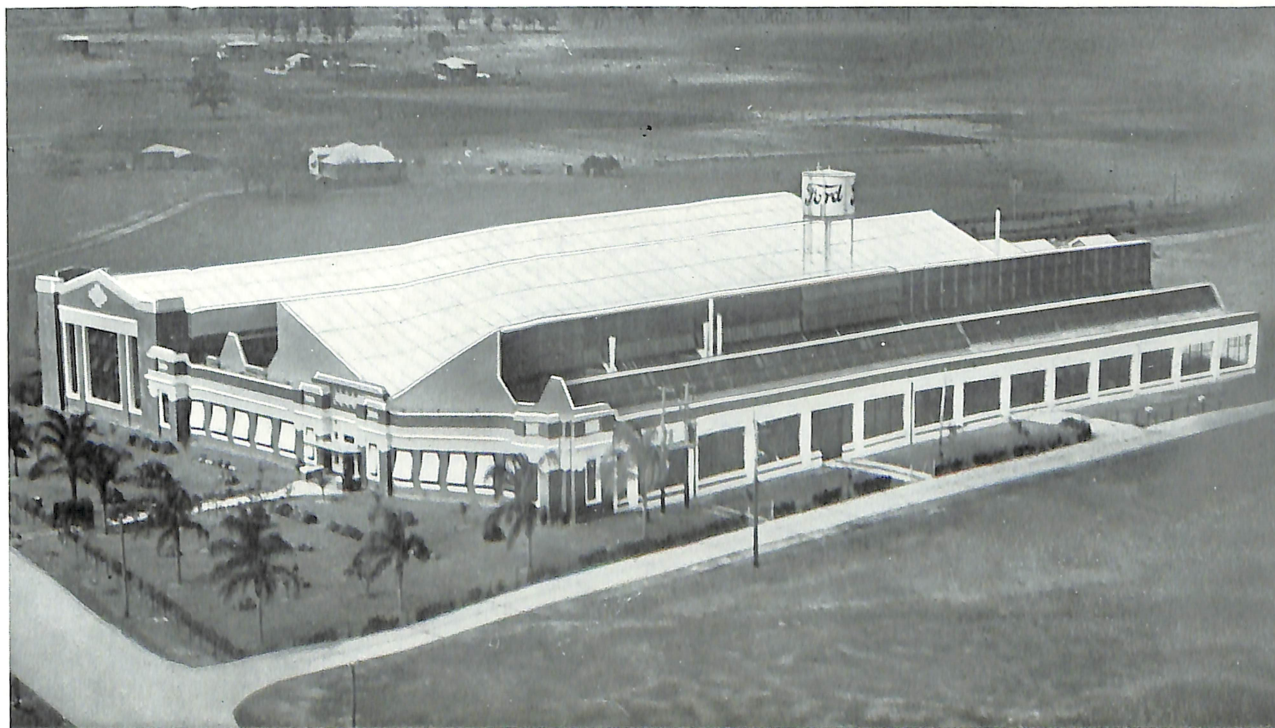
Area "Fibrolite" Roofing: 94,343 square feet.

Dates fixed: 1935-36.



Factory, Geelong, Victoria.

The fact that the Ford Motor Coy. of Australia Pty. Ltd. have consistently specified Hardie's "Fibrolite" Corrugated Sheets for roofing their large factories throughout Australia, provides a striking testimony to the efficiency of this economical and durable roofing. No higher recommendation is necessary.



"S & SS"

Ford Motor Coy. of Australia Pty. Ltd., Factory, Eagle Farm, Brisbane.

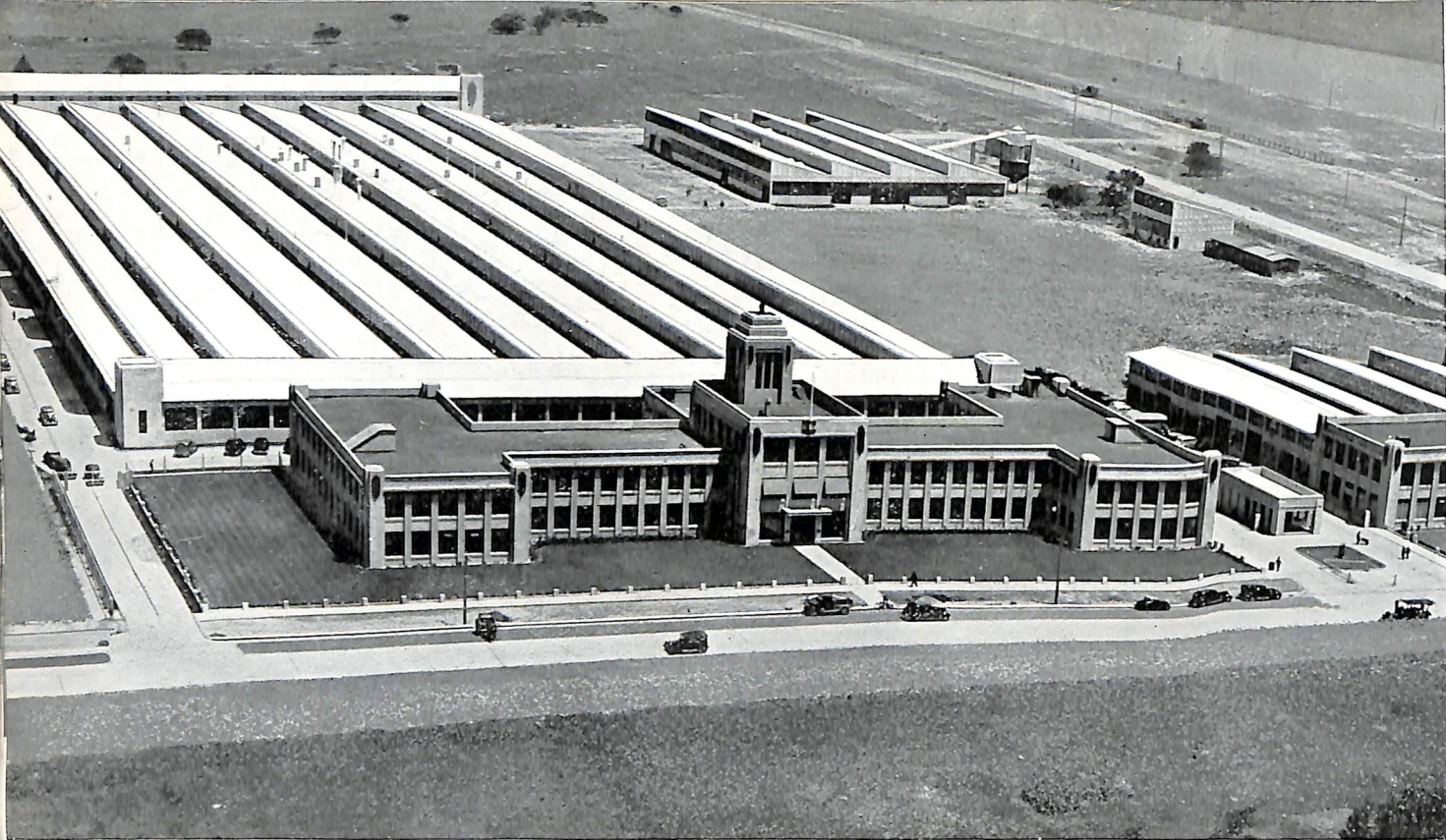
BUILDERS:

1st Section, 1925: Concrete Constructions Qld. Pty. Ltd.

2nd Section, 1936: Messrs. Kell & Rigby. (Engineer: Mr. C. S. Steele.)

Area "Fibrolite" Roofing: 50,000 square feet.

Dates fixed: 1925 and 1936.

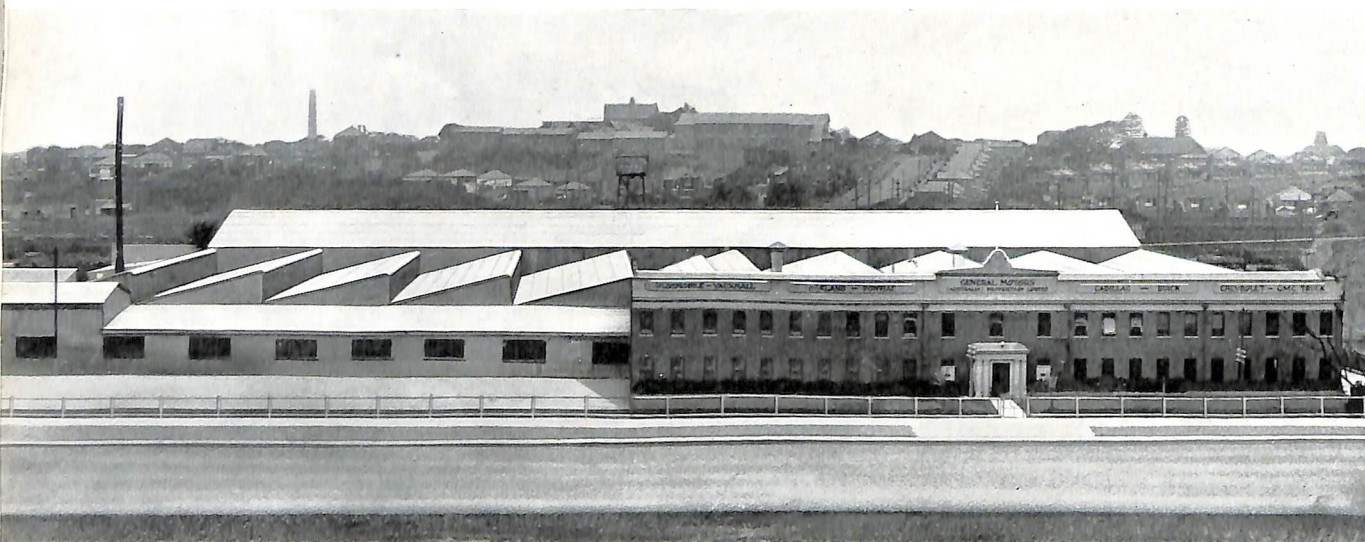


"SS"

General Motors-Holdens Ltd., Factory, Fishermen's Bend, Port Melbourne, Victoria.

Area "Fibrolite" Roofing: 500,000 square feet.

Date fixed: 1936.



"S"

General Motors-Holdens Ltd., Factory, Marrickville, Sydney.

ARCHITECTS: Messrs. H. E. Ross & Rowe.

BUILDERS: Messrs. R. Wall & Sons Ltd.

Area "Fibrolite" Roofing: 102,668 square feet.

Dates fixed: 1926-1927.

The confidence leading manufacturing and industrial concerns have in Hardie's "Fibrolite" Corrugated Roofing is further exemplified by the fact that General Motors-Holdens Ltd., specified this durable roofing for their large Factories at Sydney, Melbourne and Perth. Such preference by leading manufacturing concerns throughout Australia and New Zealand indicates the supremacy HARDIE'S "FIBROLITE" enjoys in the field of industrial roofings.

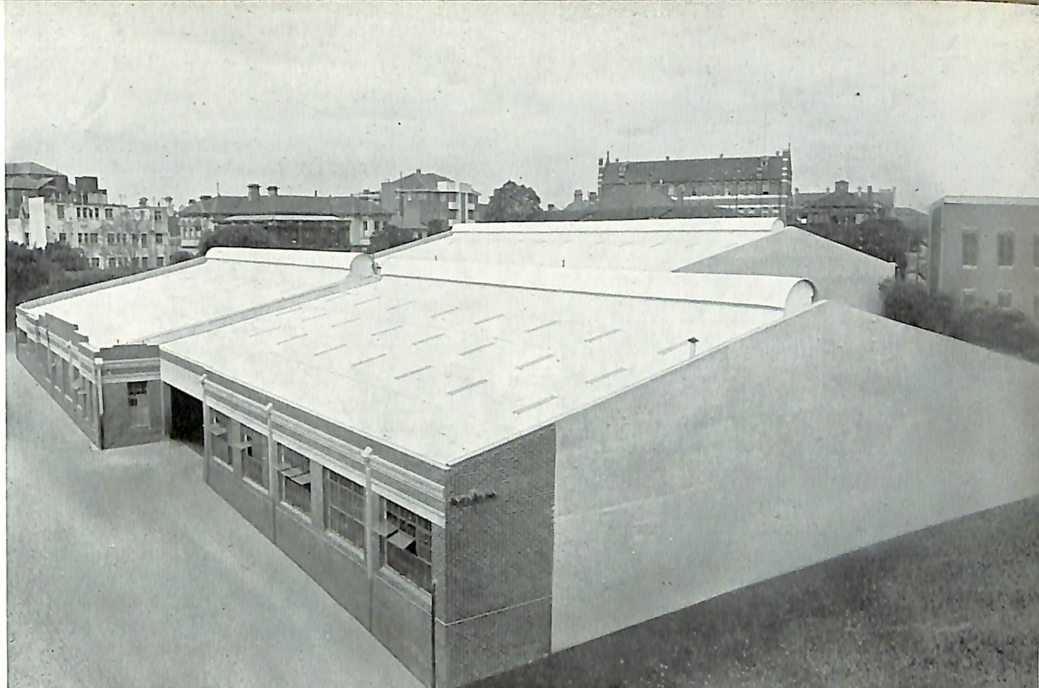
**Yellow Cabs of Australia Ltd.,
Garage, Darlinghurst, Sydney.**

ARCHITECT:
Mr. G. N. Kenworthy.

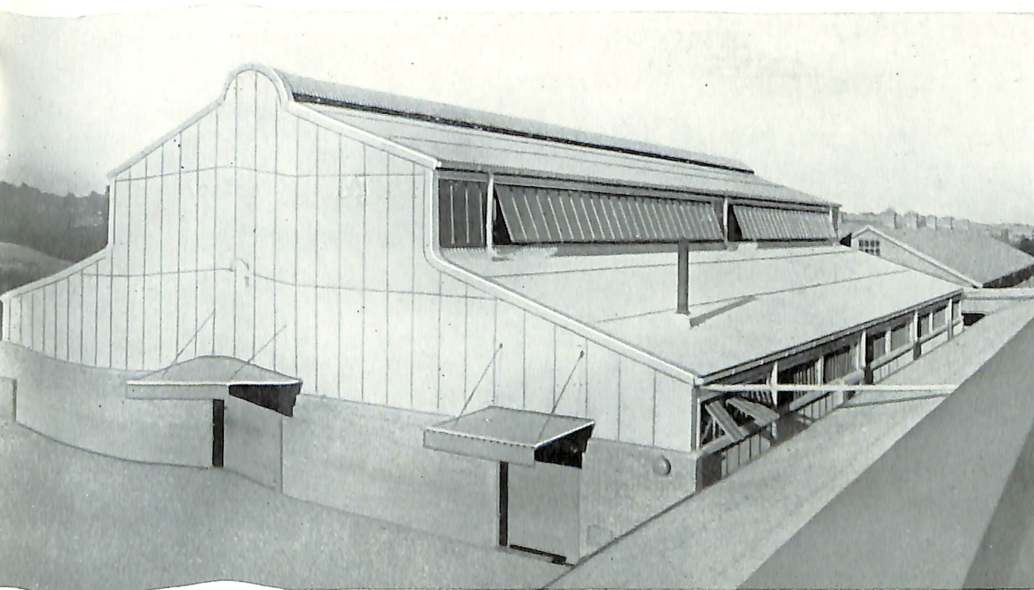
BUILDER:
Mr. R. M. Bowcock.

Area "Fibrolite" Roofing:
36,229 square feet.

Date fixed: March, 1937.



"S"



**Goodyear Tyre & Rubber Coy.
(Aust.) Ltd., Granville, Sydney.**

Illustration shows one of the buildings at the
Works of this well-known Company roofed
with "Fibrolite" Corrugated Sheets.

BUILDERS:
Concrete Constructions Ltd.

Area "Fibrolite" Roofing:
15,350 square feet.

Date fixed: February, 1936.

"S & SS"

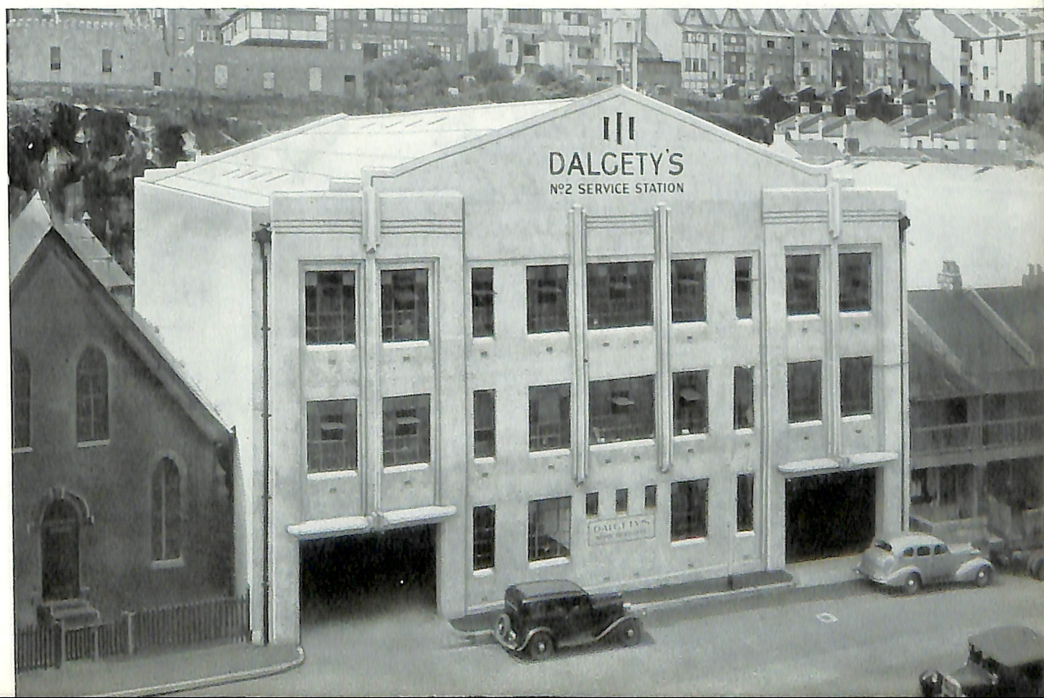
**Messrs. Dalgety & Coy. Ltd.,
Service Station,
Woolloomooloo, Sydney.**

ARCHITECTS:
Messrs. Oakley & Midelton.

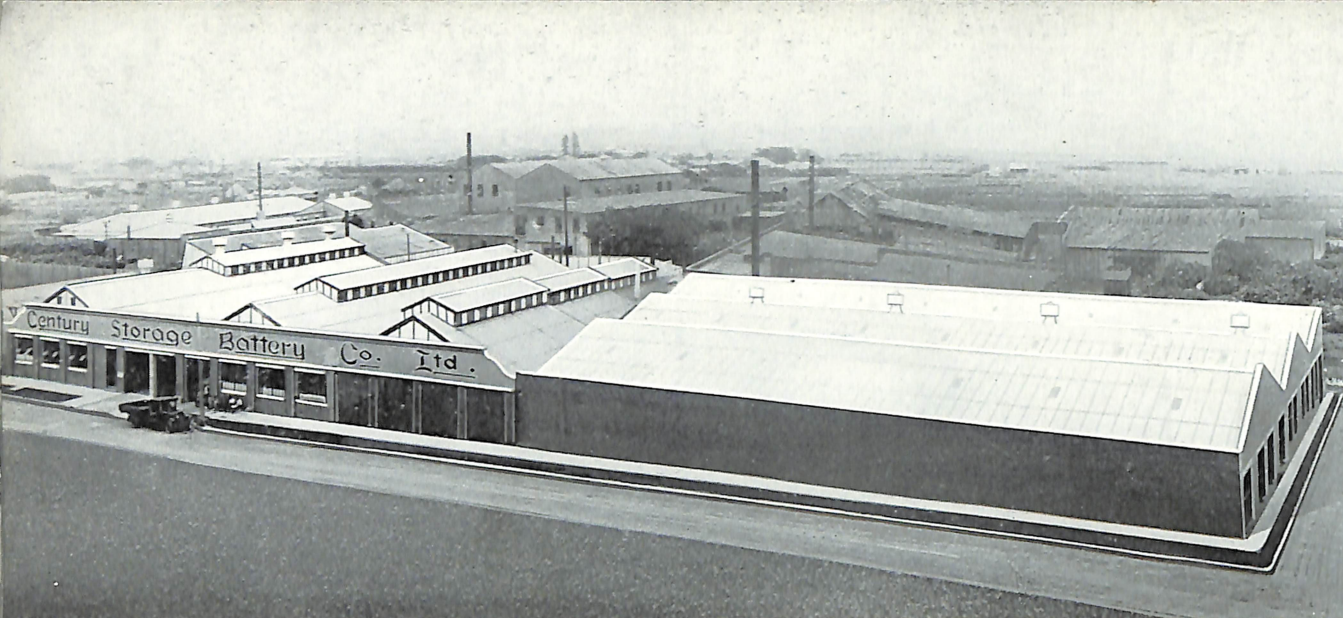
BUILDERS:
Messrs. F. T. Eastment & Sons.

Area "Fibrolite" Roofing:
8,466 square feet.

Date fixed: November, 1935.



"SS"



"S & SS"

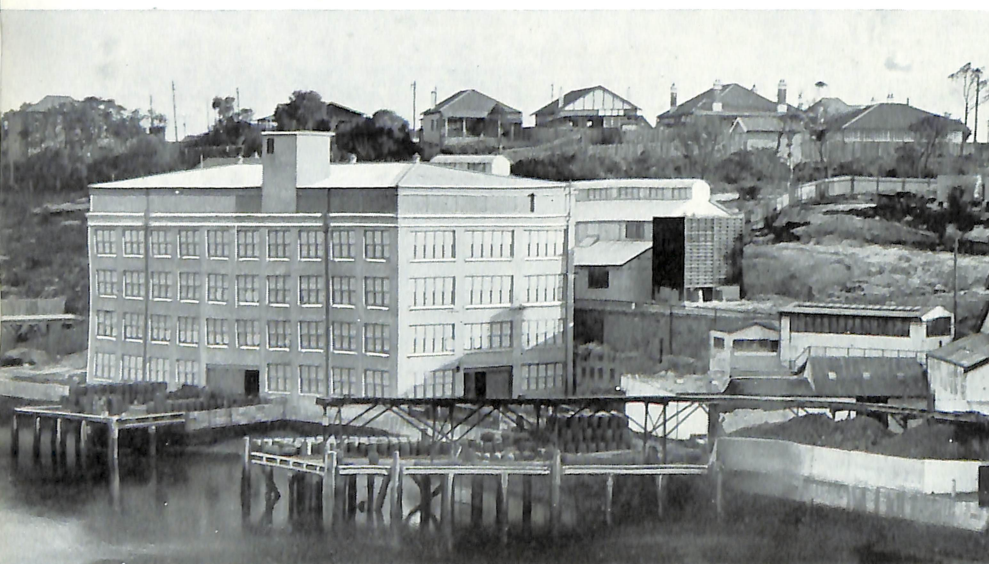
Century Storage Battery Co. Ltd., Alexandria, Sydney.

ARCHITECTS: Mr. Hedley V. Graham. Recent extensive additions—Late Mr. E. Lindsay Thompson.

BUILDERS: Messrs. Hay & Stewart. Recent extensive additions—Messrs. Paxton & Patterson.

Area "Fibrolite" Roofing: 58,164 square feet.

Dates fixed: 1928, 1933, 1934.



"S"

Shell Company of Australia Ltd., Works and Stores, Gore Bay, Sydney.

Area "Fibrolite" Roofing:
12,300 square feet.

Dates fixed: 1922, 1923.

The Shell Coy. of Australia Ltd., have also used large quantities of "Fibrolite" Corrugated Sheets for roofing their Oil Stores at Pyrmont and Clyde, N.S.W., and their Works and Stores, Fremantle, W.A.



"S"

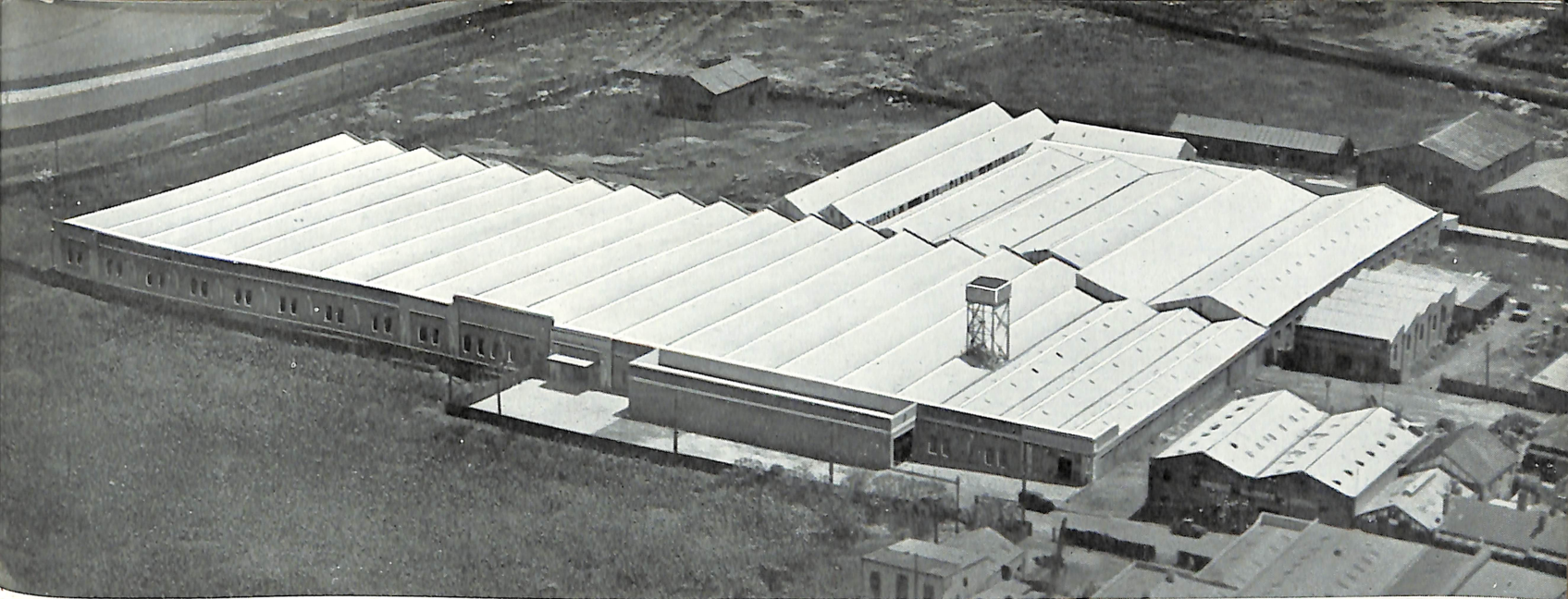
Vacuum Oil Co. Pty. Ltd., Oil Stores, Newcastle, N.S.W.

BUILDER: Mr. N. R. Smith.

Area "Fibrolite" Roofing:
28,000 square feet.

Date fixed: August, 1928.

The Vacuum Oil Co. Pty. Ltd., have also used large quantities of "Fibrolite" Corrugated Sheets for roofing their Oil Stores and Works at Auburn and Pulpit Point, Sydney; Yarraville, Victoria; Perth; Birkenhead, South Australia; and Wellington, N.Z.



"SS"

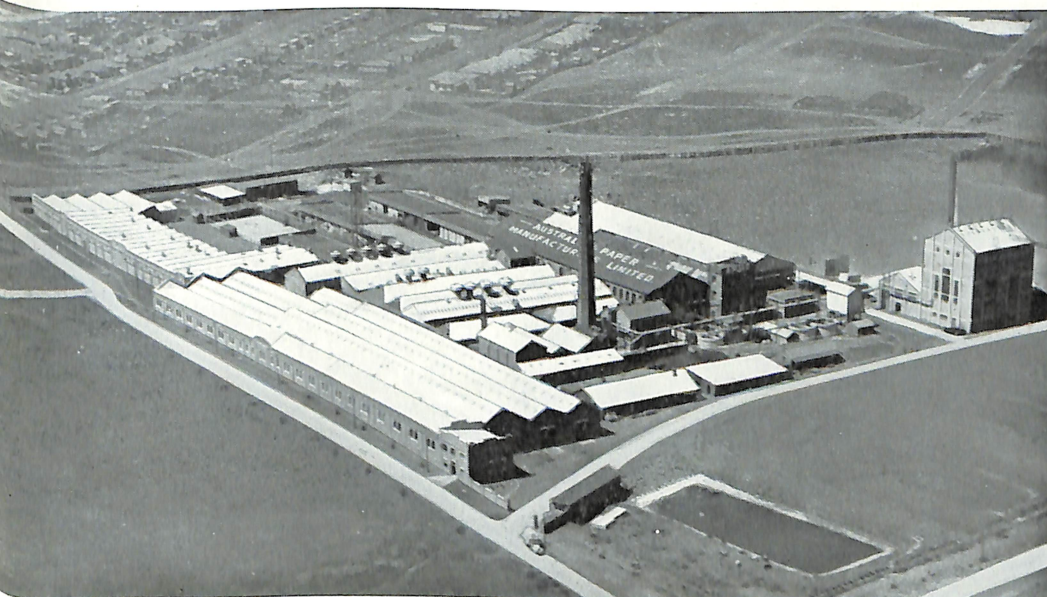
Paper Products Ltd., Factory, Waterloo, Sydney.

ARCHITECT: Mr. F. Clatworthy.

BUILDERS: Messrs. Kell & Rigby.

Area "Fibrolite" Roofing: 198,000 square feet.

Date fixed: August, 1936.



**Australian Paper Manufacturers Ltd.,
Mills, Botany, N.S.W.**

BUILDERS:

Concrete Constructions Ltd.

Messrs. Kell & Rigby.

(Additions in progress)

Messrs. John Grant & Sons Ltd.

Area "Fibrolite" Corrugated Sheets used for
Roofing and Walls:
220,300 square feet.

Dates fixed: Various from 1929 to 1937.

"S & SS"

**Messrs. W. C. Penfold & Co. Pty. Ltd.,
Printing Works, Redfern, Sydney.**

ARCHITECTS IN ASSOCIATION:

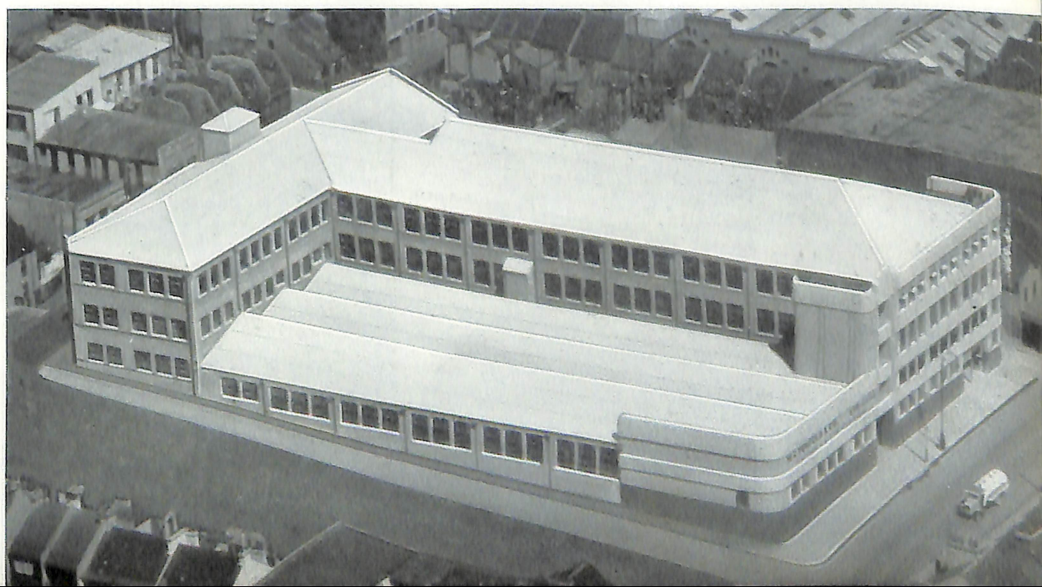
Messrs. J. R. Brogan and
Brewster and Manderson.

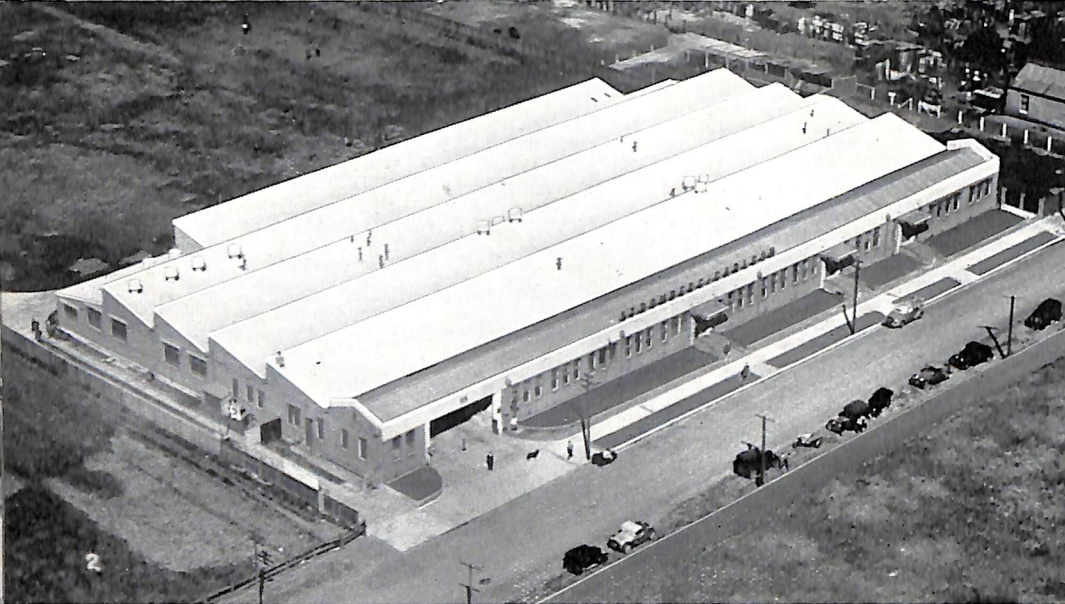
BUILDERS:

Messrs. Beat Bros. Ltd.

Area "Fibrolite" Roofing:
40,171 square feet.

Date fixed: November, 1936.





**Stromberg-Carlson (Australasia) Ltd.,
Factory, Alexandria, Sydney.**

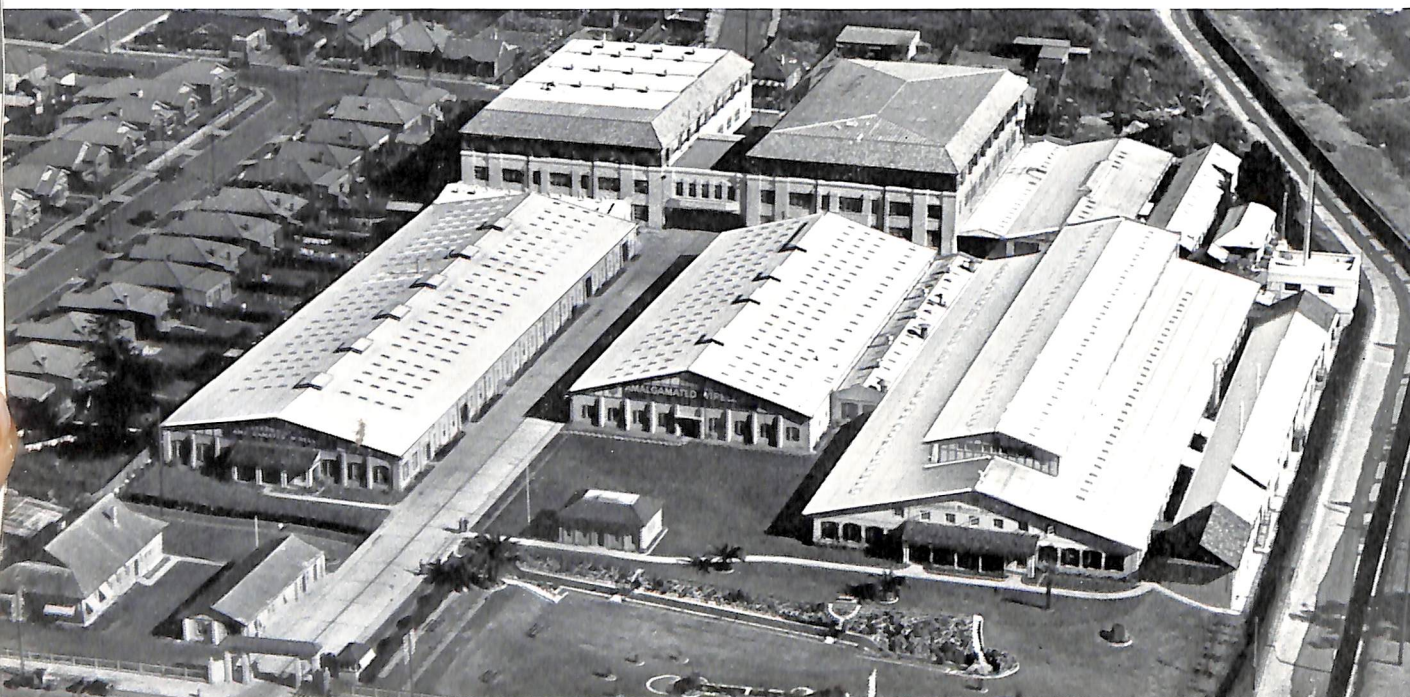
ARCHITECTS:
Messrs. Robertson, Marks & McCredie

BUILDERS:
H. M. Murray Construction Co. Ltd.

Area "Fibrolite" Roofing:
33,320 square feet.

Date fixed: December, 1935.

"SS"



"S & SS"

Amalgamated Wireless (Australasia) Ltd., Radio-Electric Works, Ashfield, Sydney.

ARCHITECTS: (recent additions) Messrs. Peddle, Thorp & Walker.

BUILDERS: Mr. R. W. Bowcock; Messrs. H. W. Thompson & Co.

Approximately 144,000 square feet of "Fibrolite" Corrugated Sheets were used between June, 1922, and December, 1936, for roofing new buildings and re-roofing existing buildings previously covered with other materials at the above Works.

**Standard Telephones & Cables
A/asia Ltd.**

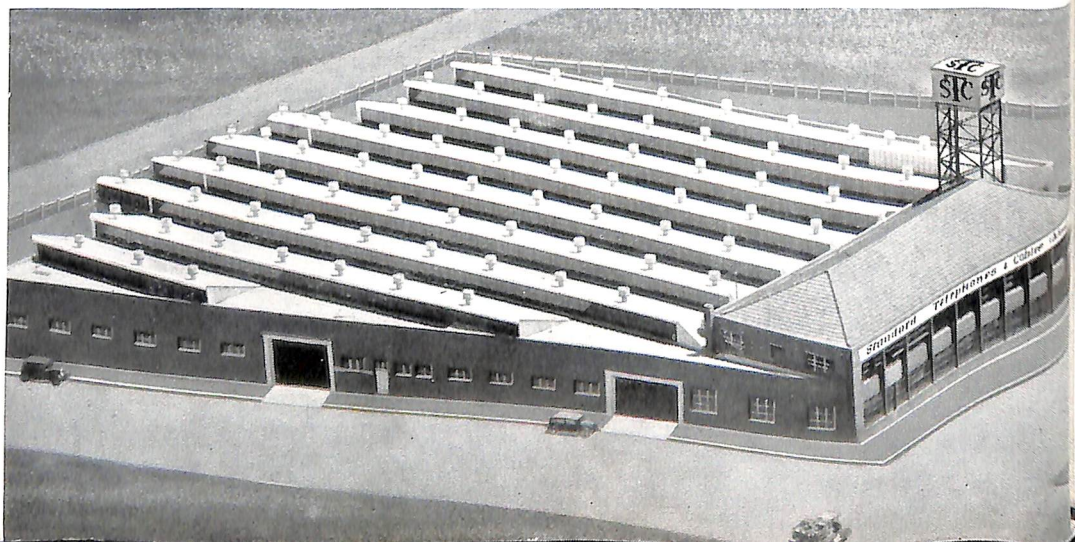
Works, Alexandria, Sydney.

ARCHITECTS:
Messrs. Robertson, Marks & McCredie.

BUILDERS:
Paxton & Patterson Ltd.

Area "Fibrolite" Roofing:
36,385 square feet.

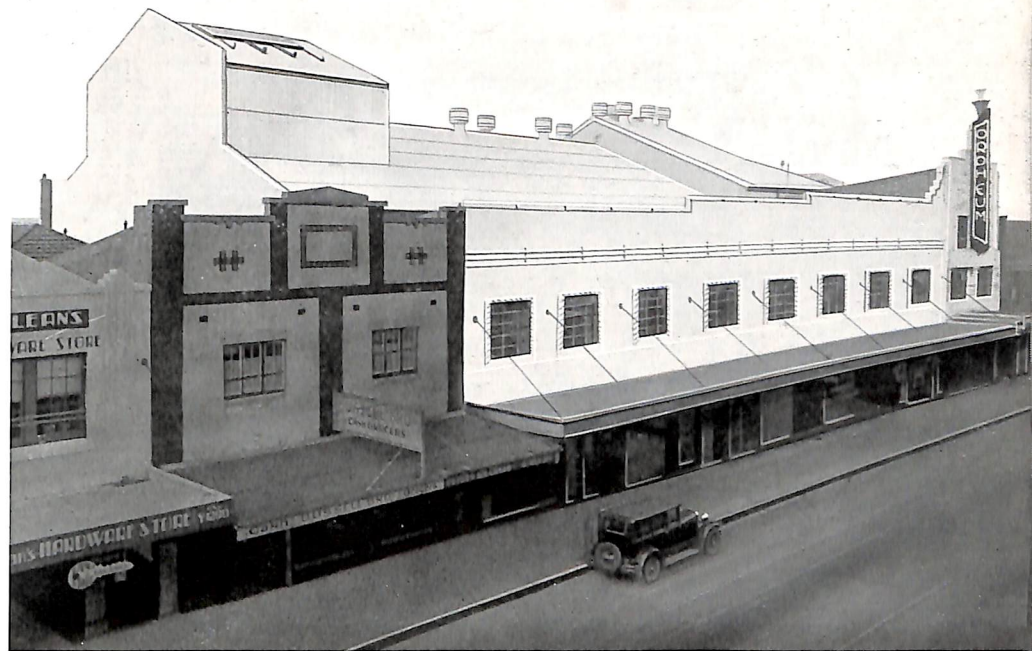
Date fixed: March, 1936.



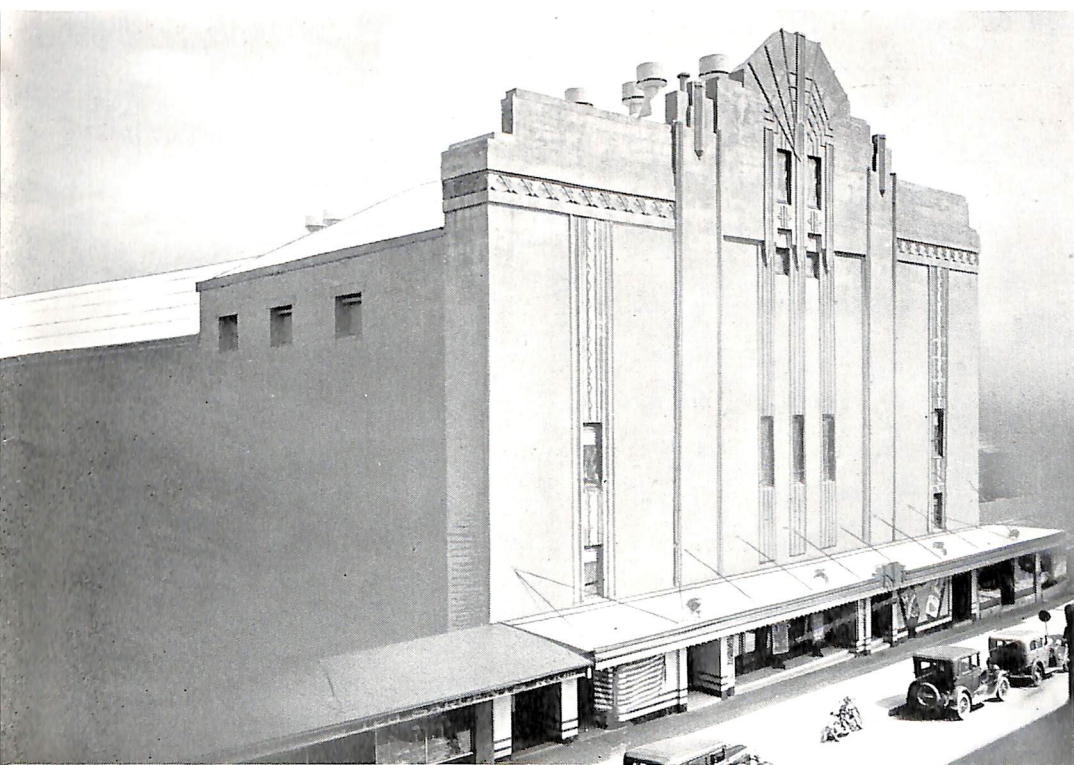
"SS"

**Orpheum Theatre,
Cremorne Junction, Sydney.**

ARCHITECT:
Mr. G. N. Kenworthy.
BUILDERS:
Messrs. F. T. Eastment & Sons.
Area "Fibrolite" Roofing:
14,855 square feet.
Date fixed: June, 1935.



"SS"



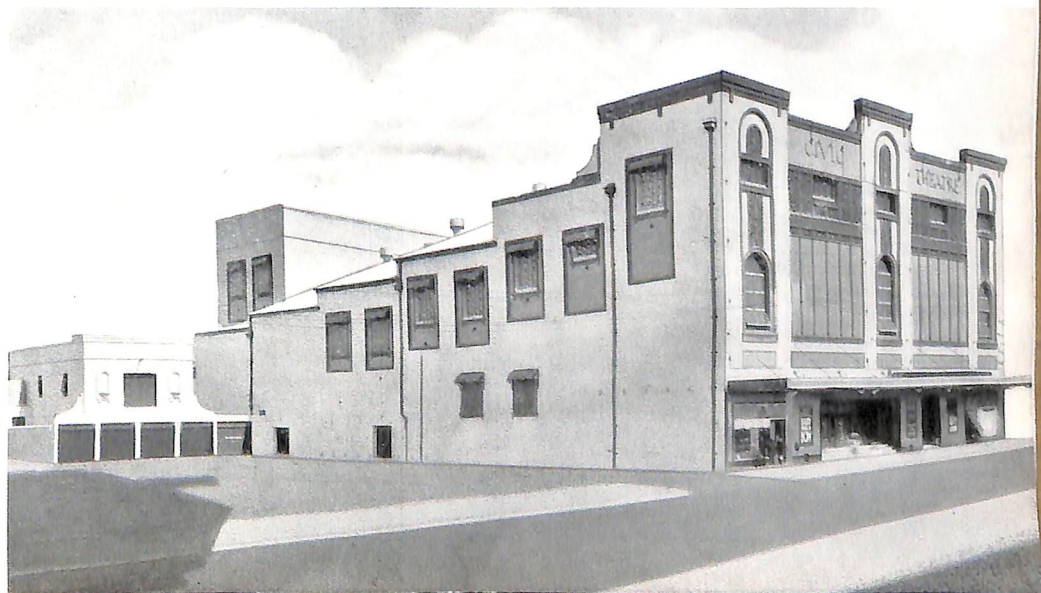
**Union De Luxe Theatre,
Ashfield, Sydney.**

ARCHITECT:
Mr. Guy Crick.
BUILDER:
Mr. G. Gray.
Area "Fibrolite" Roofing:
15,800 square feet.
Date fixed: January, 1934.

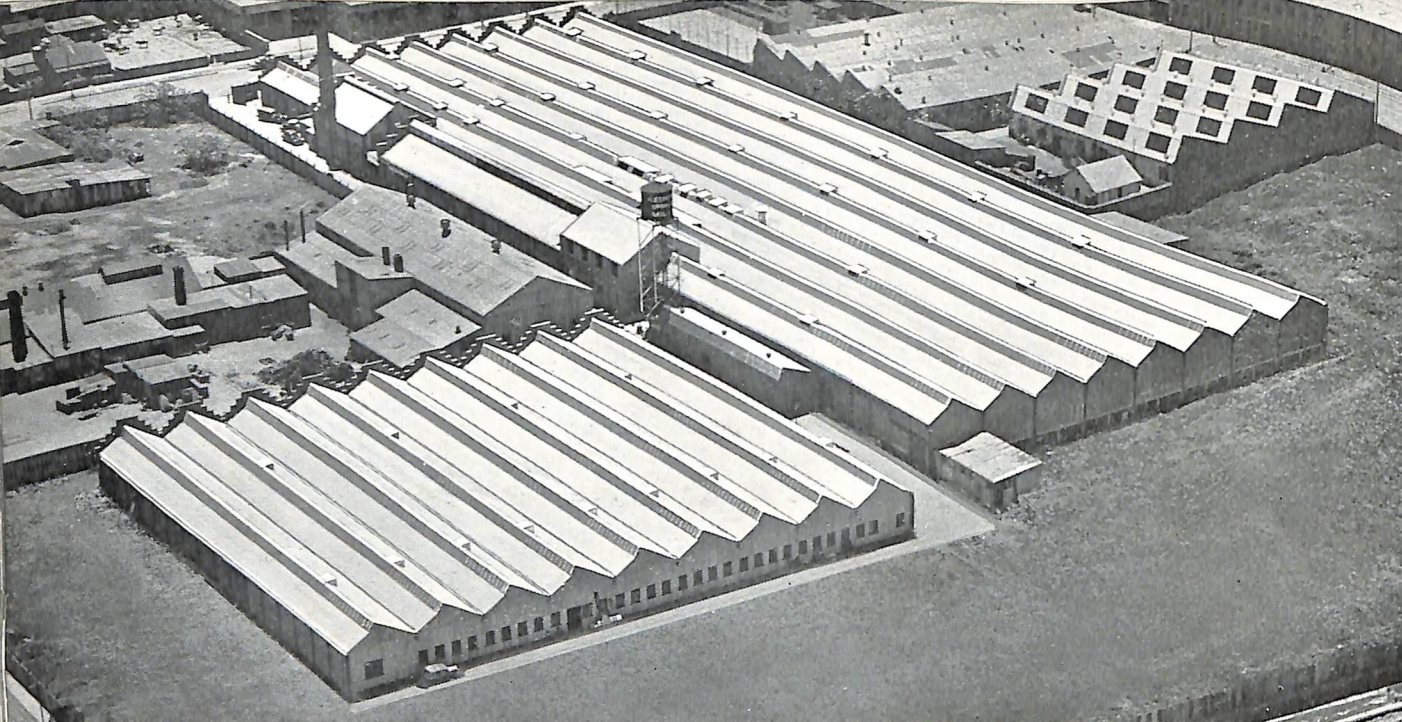
"SS"

Civic Theatre, Auburn, Sydney.

ARCHITECTS:
Messrs. Kaberry & Chard.
BUILDERS:
Mr. E. Barnett.
Area "Fibrolite" Roofing:
12,050 square feet.
Date fixed: August, 1933.



"SS"



"S"

Alexandria Spinning Mills Ltd., Alexandria, Sydney.

Area "Fibrolite" Roofing: 110,753 square feet.

Dates fixed: Various from 1926 to 1937.

**Messrs. John Vicars & Co. Ltd.,
Mills, Marrickville, Sydney.**

ARCHITECT:

Mr. James Vicars.

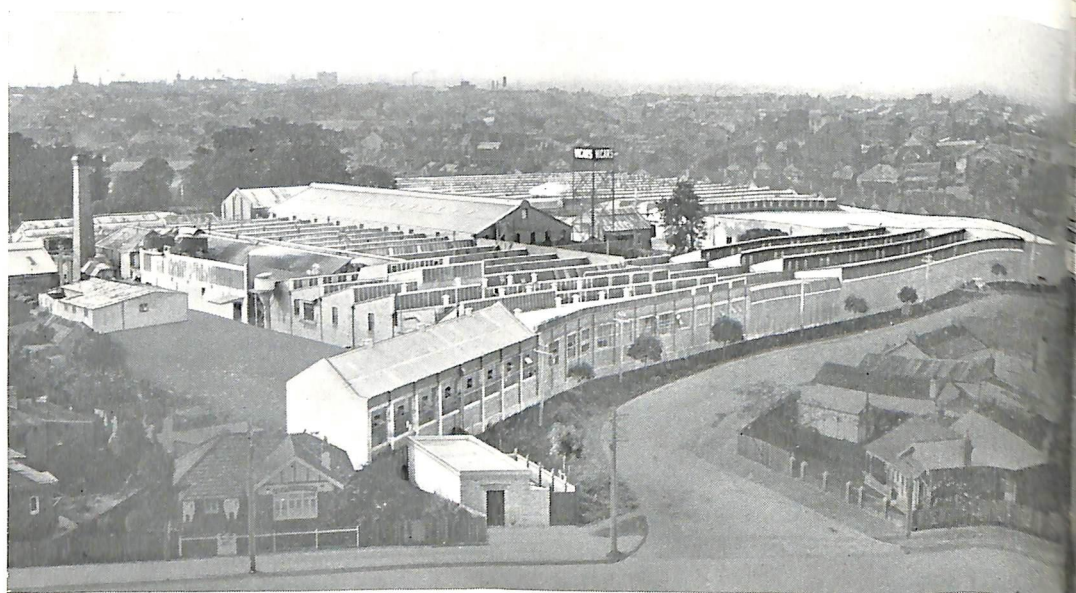
BUILDER (Additions):

Messrs. E. C. Donnelley Ltd.

Area "Fibrolite" Roofing:
53,240 square feet.

Dates fixed:

Various from 1930 to 1936.



"S & SS"

**Globe Worsted Mills Ltd.,
Marrickville, Sydney.**

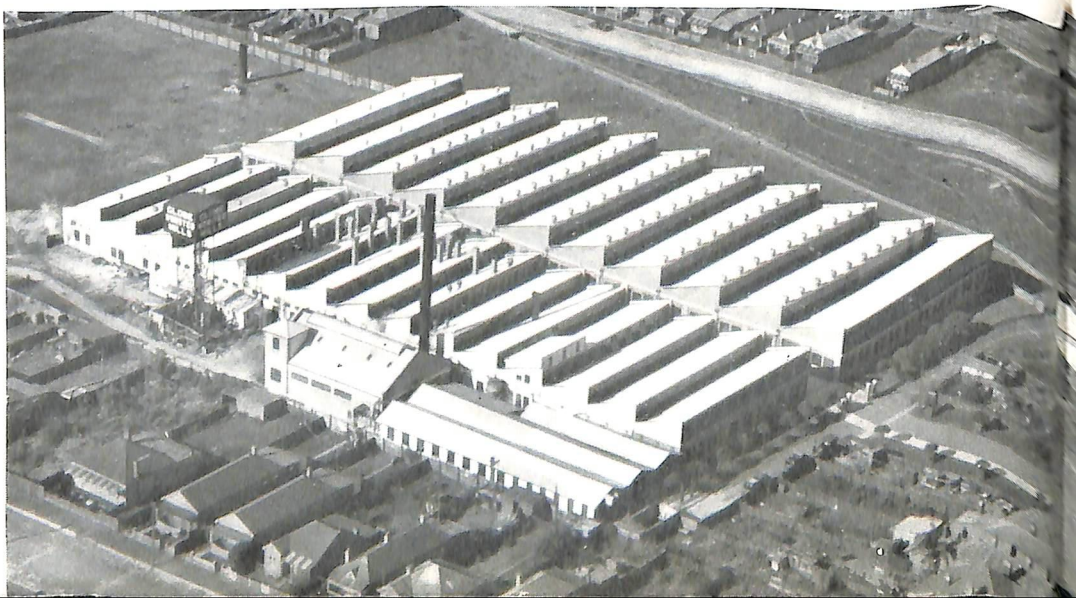
ARCHITECT:

Mr. M. V. E. Woodforde.

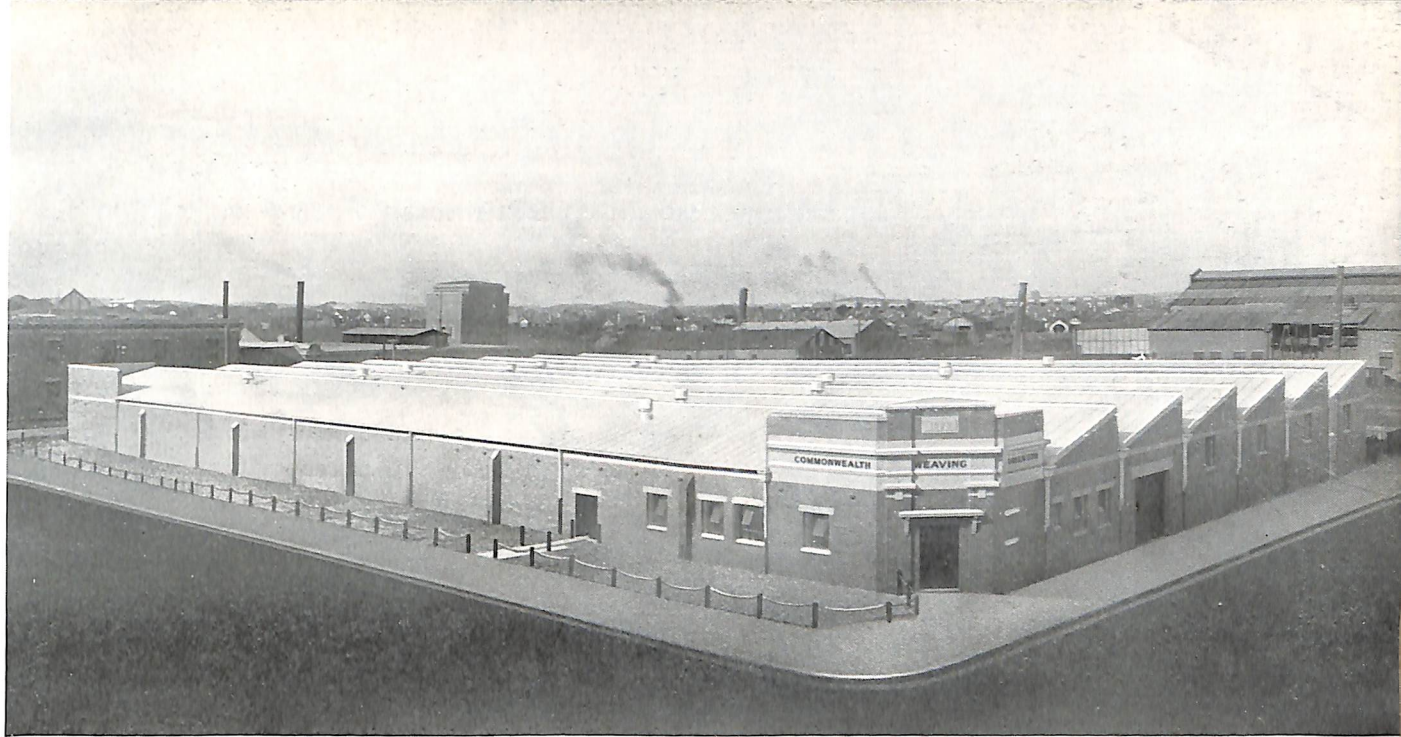
BUILDERS:

Messrs. C. E. Paynter & Co.
Messrs. Welch Bros. Ltd.

Approximately 118,959 square feet of
"Fibrolite" Corrugated Sheets were used
between 1923 and 1932 for roofing various
buildings at the large Marrickville Mills of
Globe Worsted Mills Ltd.



"S & SS"



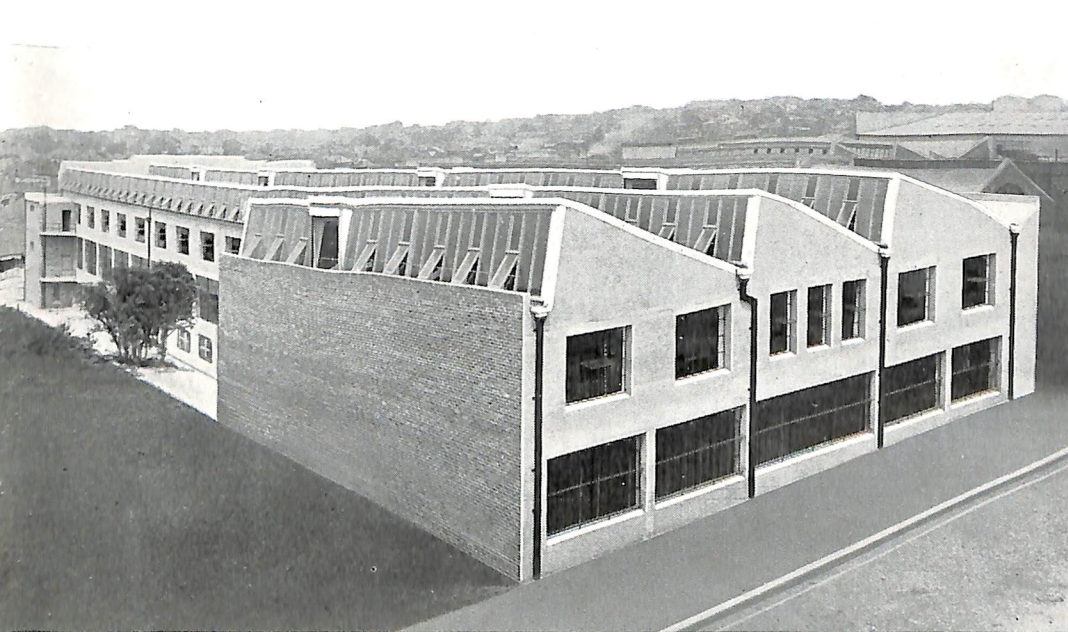
"S"

Commonwealth Weaving Mills Ltd., Waterloo, Sydney.

ARCHITECTS: Messrs. Kaberry & Chard.
BUILDERS: Messrs. Stuart Bros. Ltd.

Area "Fibrolite" Roofing: 41,500 square feet.

Date fixed: May, 1933.



"SS"

**Australian Woollen Mills Ltd.,
Marrickville, Sydney.**

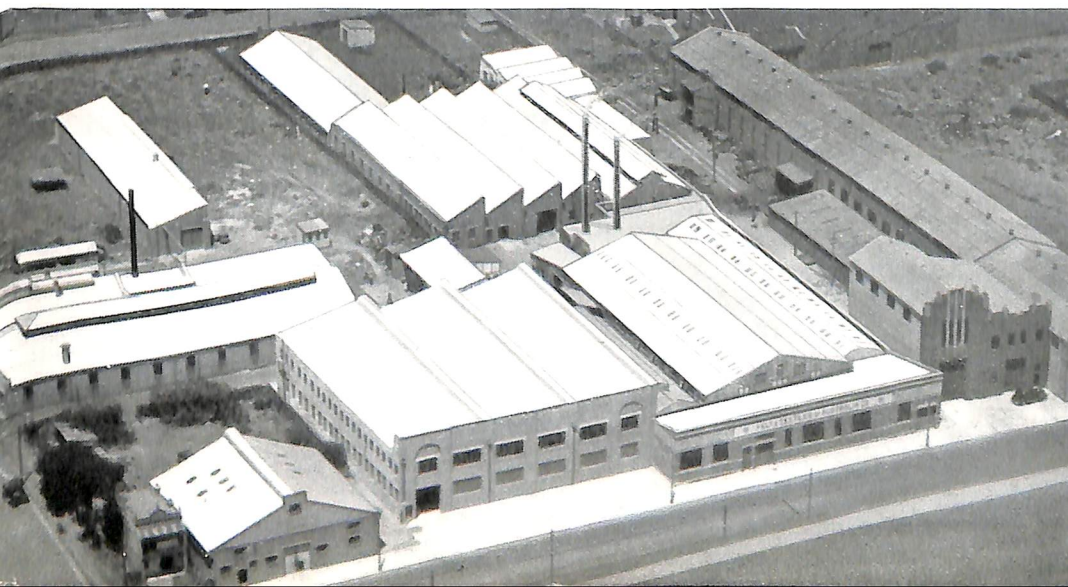
ARCHITECT:
Mr. W. C. Brown.

BUILDERS:
Messrs. Wm. Hughes & Co. Ltd.

Area "Fibrolite" Roofing:
19,250 square feet.

Date fixed: September, 1935.

(Note: Illustration shows only a portion of these large Mills.)



**Felt & Textiles of Australia Ltd.,
Factory, Waterloo, Sydney.**

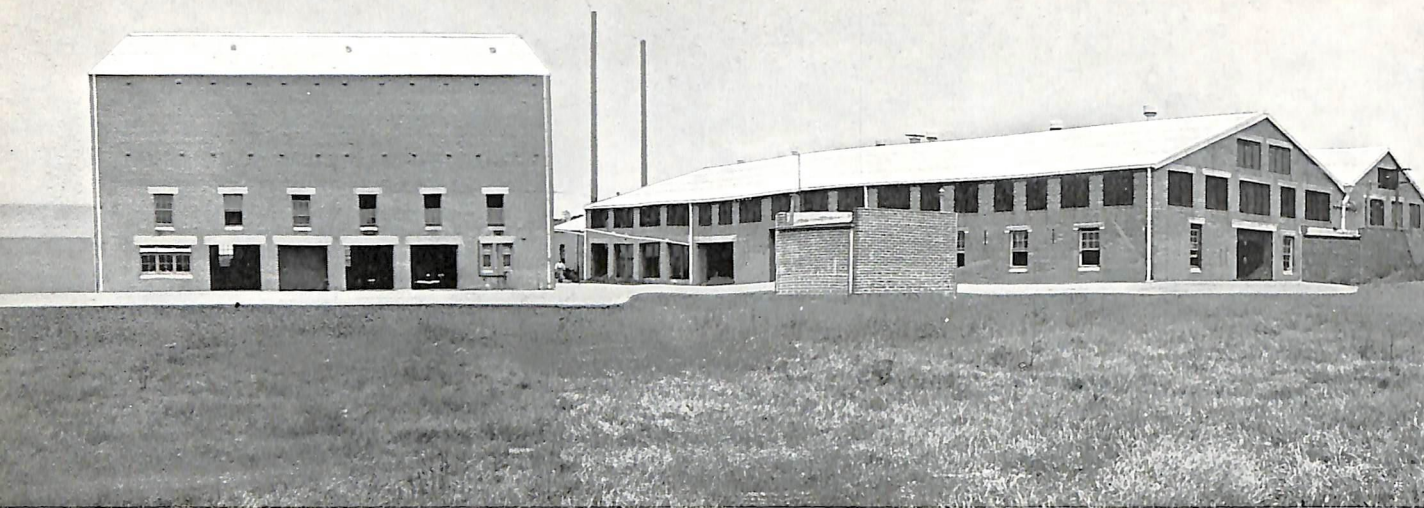
ARCHITECTS:
Messrs. Wright & Apperly.

Area "Fibrolite" Roofing:
121,100 square feet.

Dates fixed: 1929, 1935, 1936, 1937.

(Note: Illustration shows only a portion of the buildings comprising the large, modern Factory of Felt & Textiles Australia Ltd., at Waterloo.)

"S"



"SS"

Messrs. Birdsall Bros. Ltd., Tannery, Mascot, Sydney.

ARCHITECTS: Messrs. Trenchard Smith & Maisey.

Approximately 28,270 square feet of "Fibrolite" Corrugated Sheets were used for roofing various buildings at the above Tannery between 1932 and 1936.

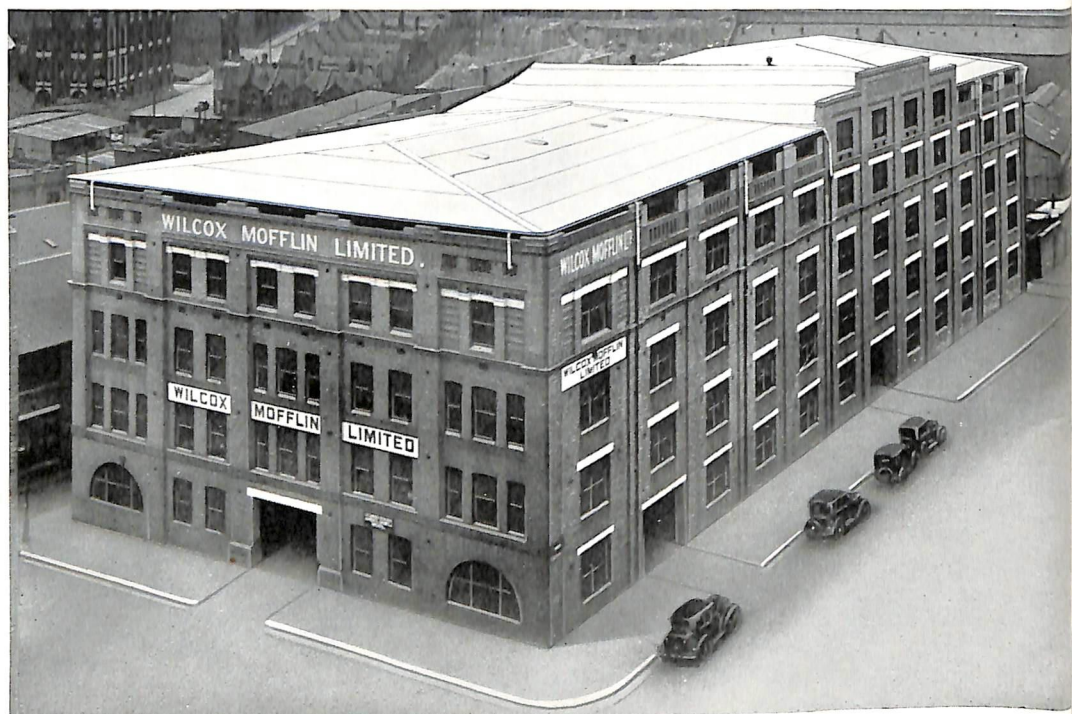
**Messrs. Wilcox, Mofflin Ltd.,
Stores, Mountain Street,
Glebe, Sydney.**

ARCHITECTS:
Messrs. Scott, Green & Scott.

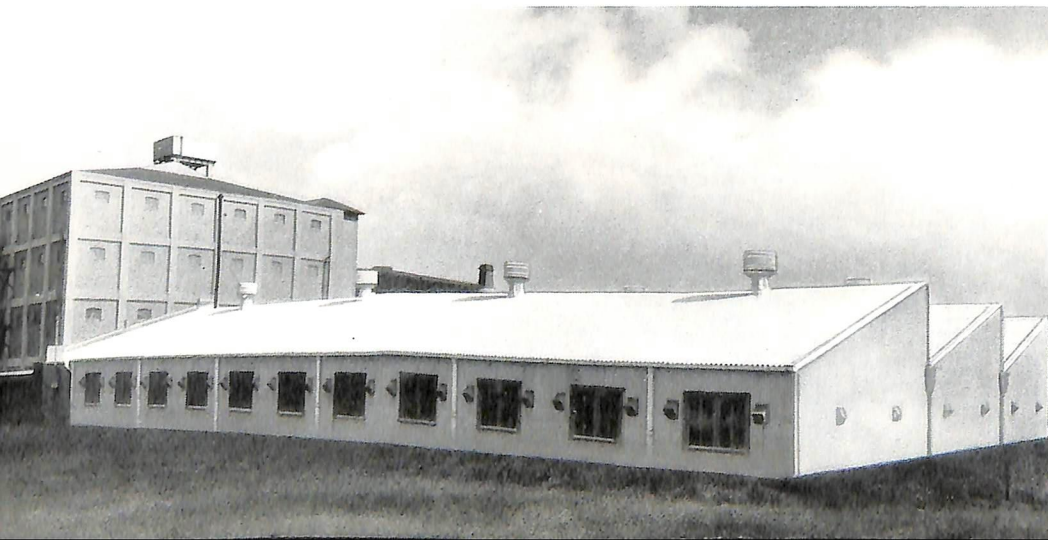
BUILDER:
Mr. Max. Cooper.

Area "Fibrolite" Roofing:
13,255 square feet.

Date fixed: April, 1936.



"S"



**Messrs. Farleigh, Nettheim Pty. Ltd.,
Tannery and Factory, Concord, Sydney.**

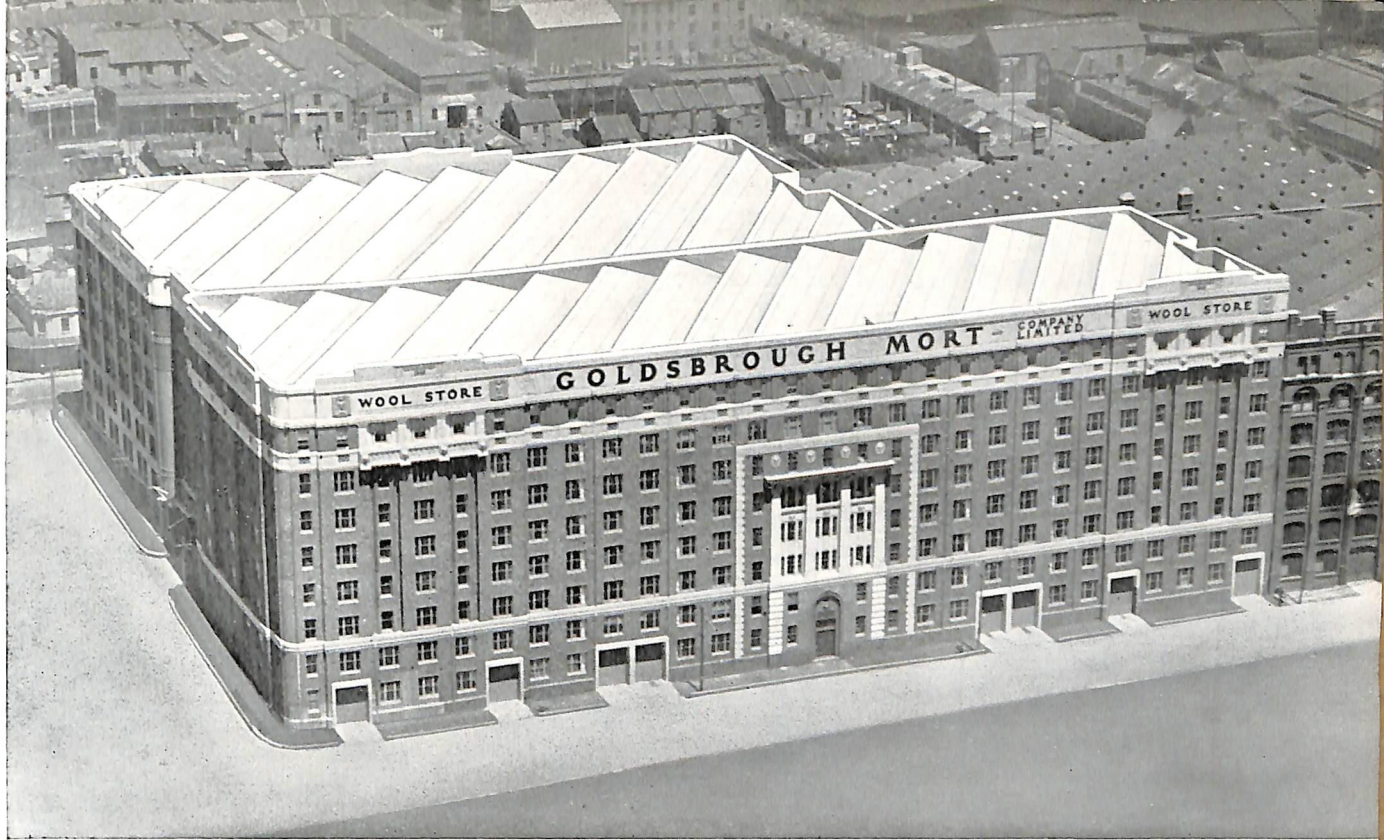
ARCHITECTS:
Messrs. Copeman, Lemont & Keesing.

BUILDERS:
Messrs. Kell & Rigby.

Area "Fibrolite" Roofing:
14,269 square feet.

Date fixed: May, 1934.

"SS"



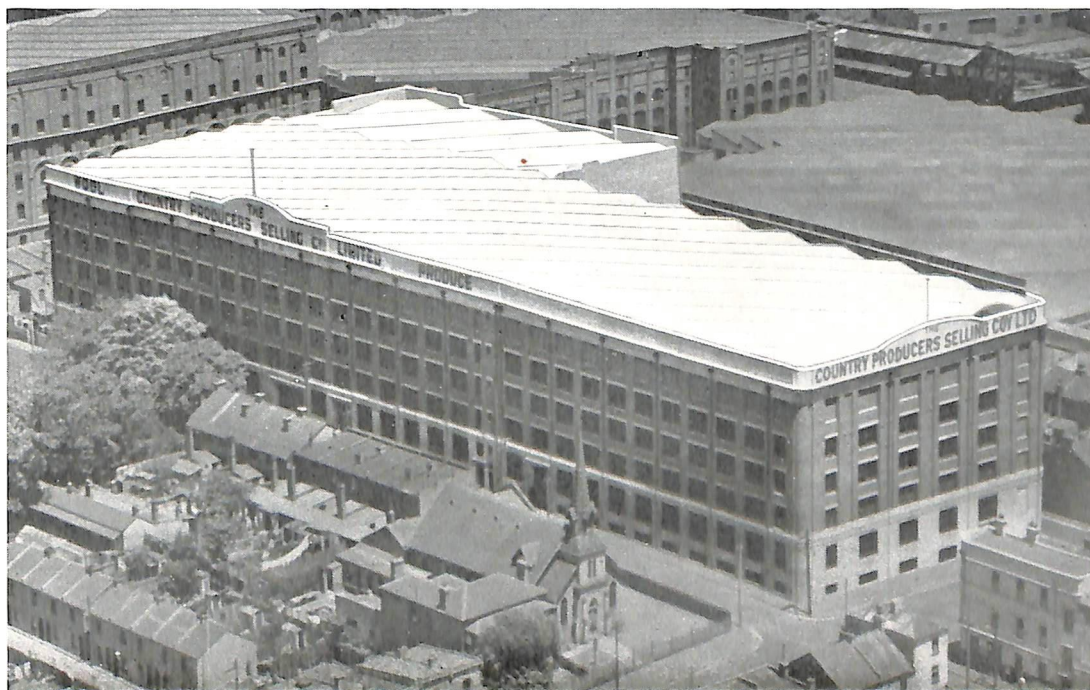
"SS"

Messrs. Goldsbrough Mort & Co. Ltd., Wool Stores, Pyrmont, Sydney.

BUILDERS: Messrs. Stuart Bros. Ltd.

Area "Fibrolite" Roofing: 83,218 square feet.

Date fixed: August, 1936.



"S"

Country Producers' Selling Co. Ltd., Wool and Produce Stores, Pyrmont, Sydney.

BUILDERS: Messrs. Kell & Rigby.

Area "Fibrolite" Roofing: 20,000 square feet.

Date fixed: November, 1928.



"S"

Portion of Sydney Harbour Trust Wharves, Walsh Bay, Sydney.

Area "Fibrolite" Roofing: 200,000 square feet.

Date fixed: 1921.



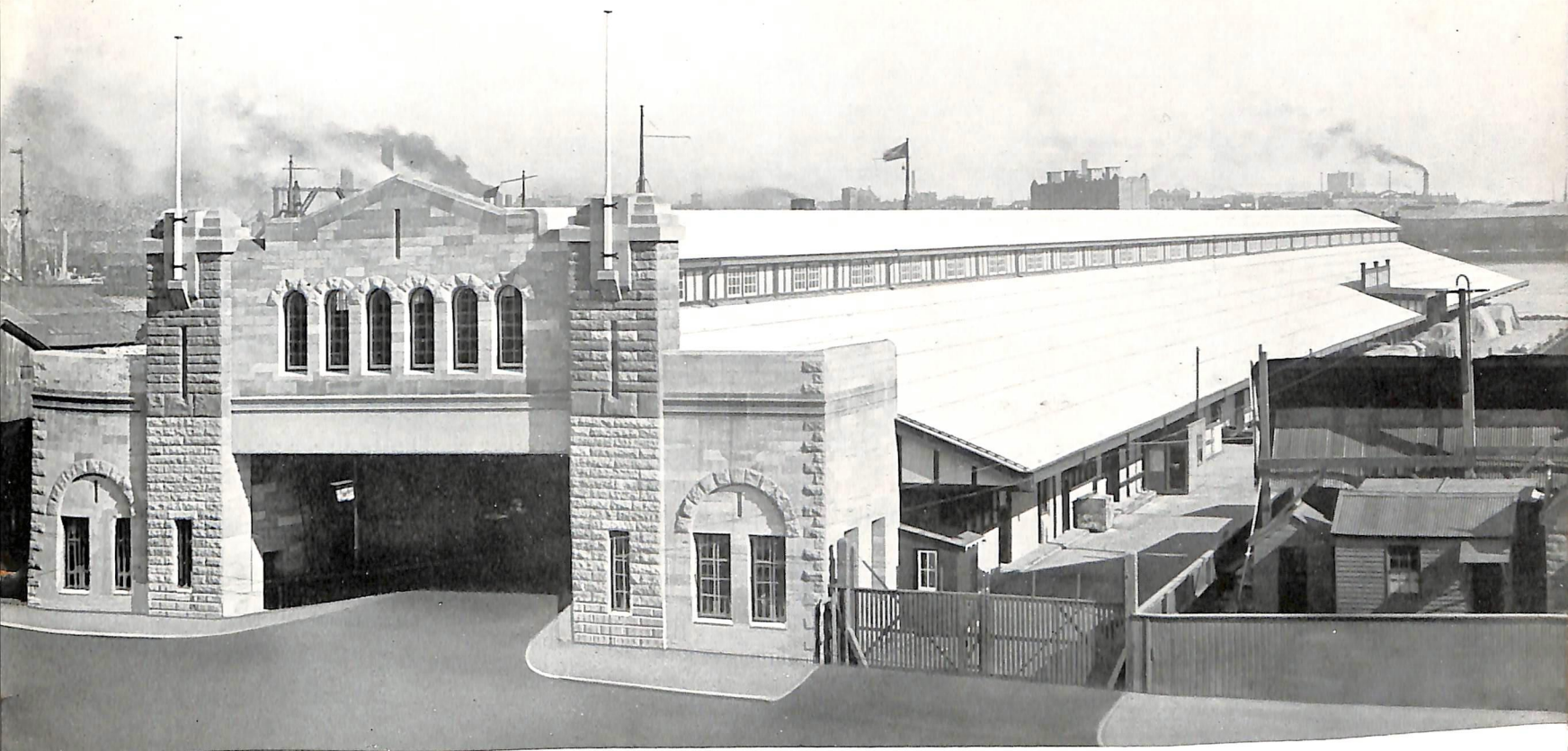
"SS"

Wharves Nos. 9 and 10, Pyrmont, Sydney.

Area "Fibrolite" Roofing: 84,492 square feet.

Dates fixed: No. 10 Wharf, 1932; No. 9 Wharf, 1936.

The large quantities of Hardie's "Fibrolite" Corrugated Sheets used by the Sydney Harbour Trust Commissioners during the past 20 years, provides eloquent testimony to the resistance of this durable roofing to sea-air. Since placing their initial order in 1917, the Commissioners have used hundreds of thousands of square feet of "Fibrolite" Corrugated Sheets for roofing new wharves and re-roofing buildings previously covered with other materials.



"S"

No. 6 Wharf, Darling Harbour, Sydney.

Area "Fibrolite" Roofing: 63,050 square feet.

Date fixed: 1922.



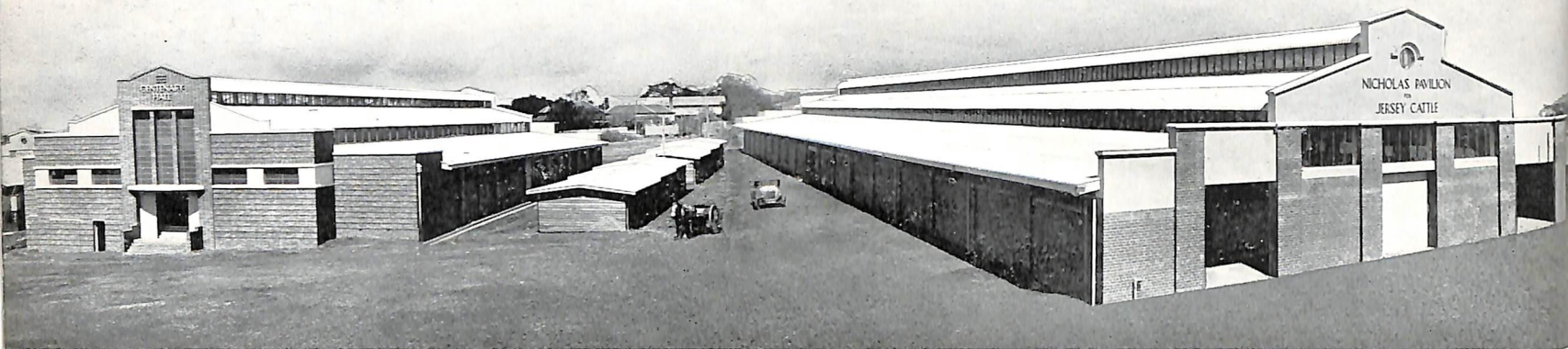
"S"

Wheat Sheds for Sydney Harbour Trust Commissioners, Glebe Island, Sydney.

Area "Fibrolite" Roofing: 77,922 square feet.

Date fixed: 1929.

Because of its immunity to the corrosive action of sea-air, "Fibrolite" Corrugated Roofing is extensively used by Harbour Boards throughout Australia and New Zealand.



"SS"

Centenary Hall and Nicholas Pavilion, Royal Agricultural Society of Victoria, Showgrounds, Melbourne.

ARCHITECTS: Messrs. Peck & Kemter.

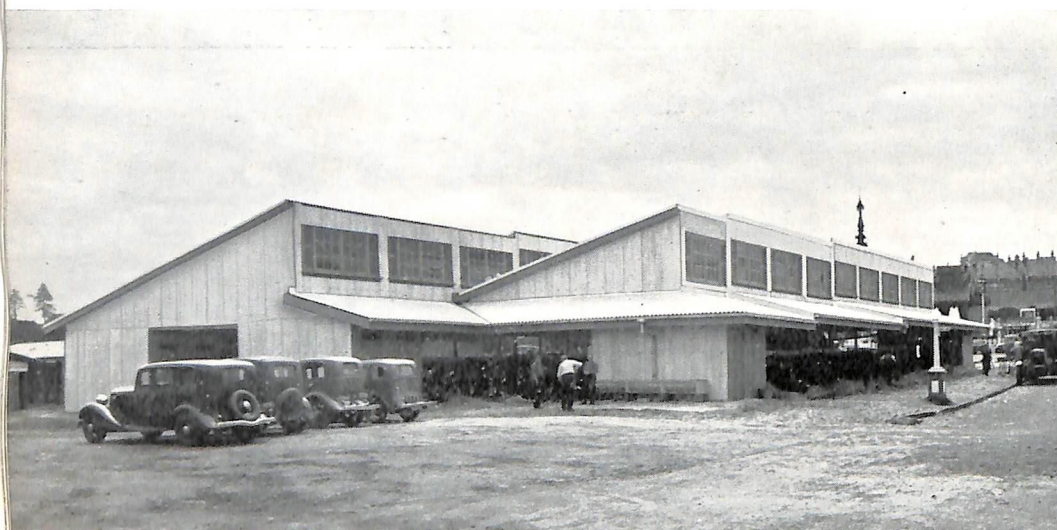
BUILDERS:

Centenary Hall: Messrs. T. R. & L. Cockram Pty. Ltd.

Nicholas Pavilion: Messrs. Morison Bros. Pty. Ltd.

Area "Fibrolite" Roofing: 54,500 square feet.

Date fixed: 1934.



**Cattle Pavilions for Royal Agricultural Society of New South Wales,
Moore Park, Sydney.**

ARCHITECTS:

Messrs. Trenchard Smith & Maisey

Area "Fibrolite" Roofing:
13,000 square feet.

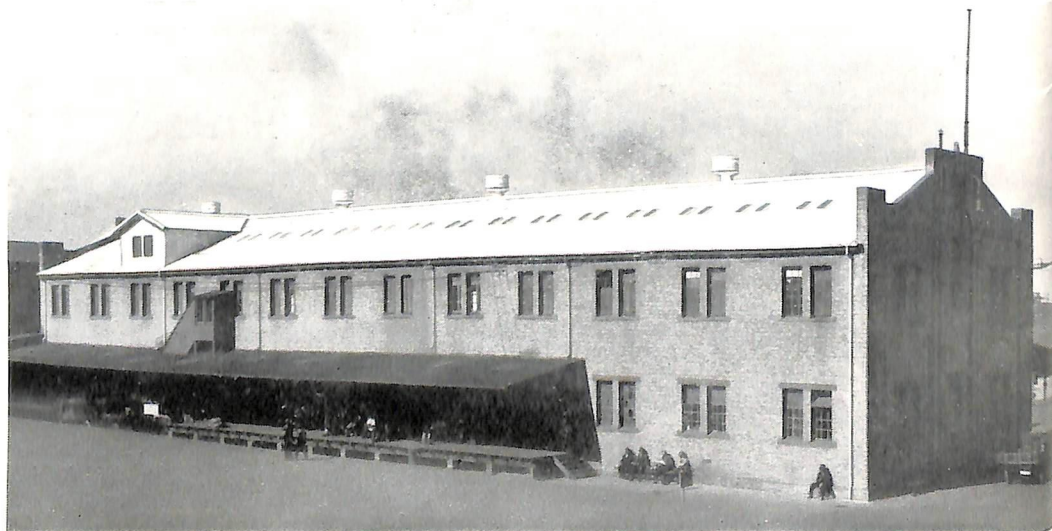
Date fixed: March, 1935.

"S & SS"

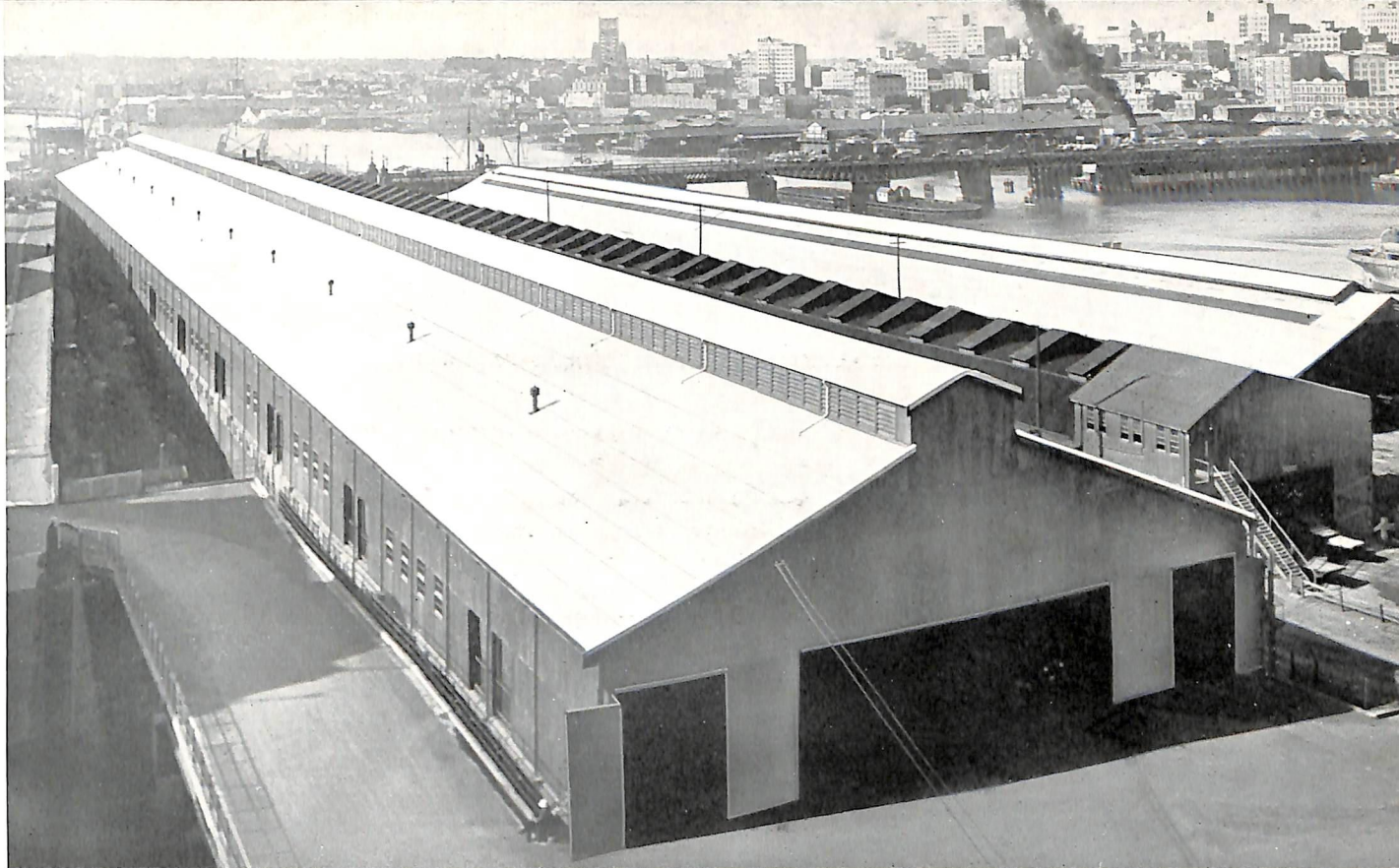
**Stores Branch, N.S.W. Government
Department of Railways, Eveleigh,
Sydney.**

Area "Fibrolite" Roofing:
11,350 square feet.

Date fixed: May, 1935.



"SS"



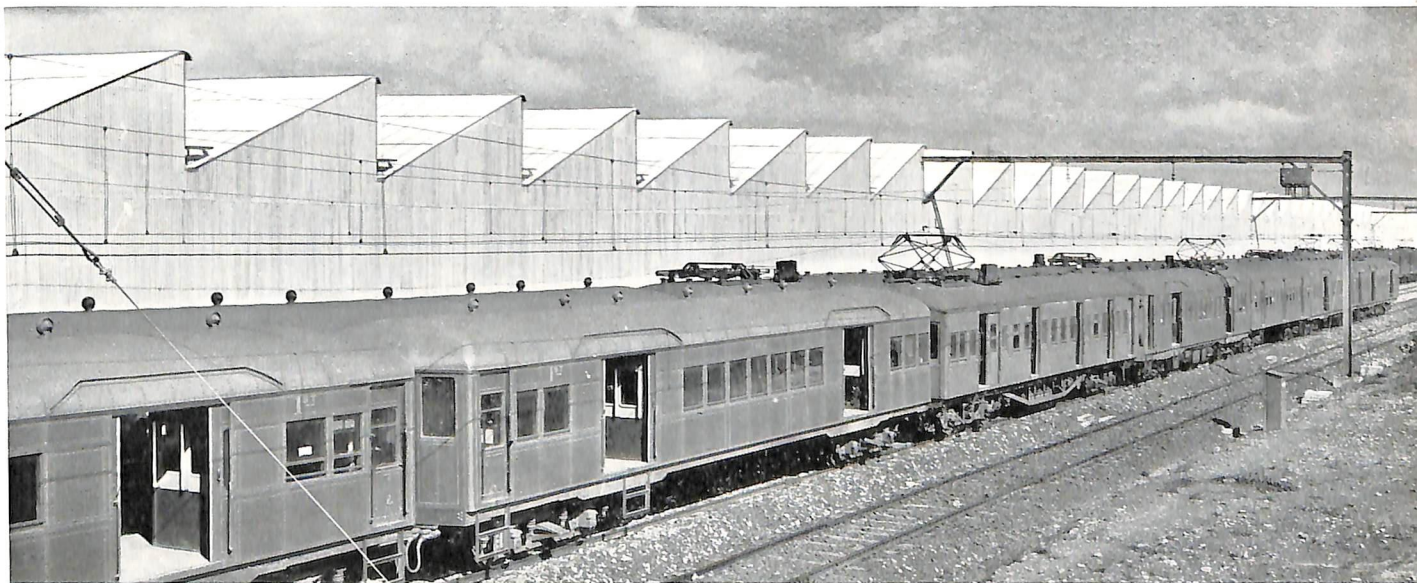
"S & SS"

Goods Sheds "A," "B," "G," and "H," New South Wales Government Department of Railways, Darling Harbour, Sydney.

Area "Fibrolite" Roofing: 196,700 square feet.

Dates fixed: "A" Shed, 1923; "B" Shed, 1934; "G" and "H" Sheds, 1936.

Note: All the above buildings were re-roofed with "Fibrolite" Corrugated Sheets, having been previously covered with other materials.



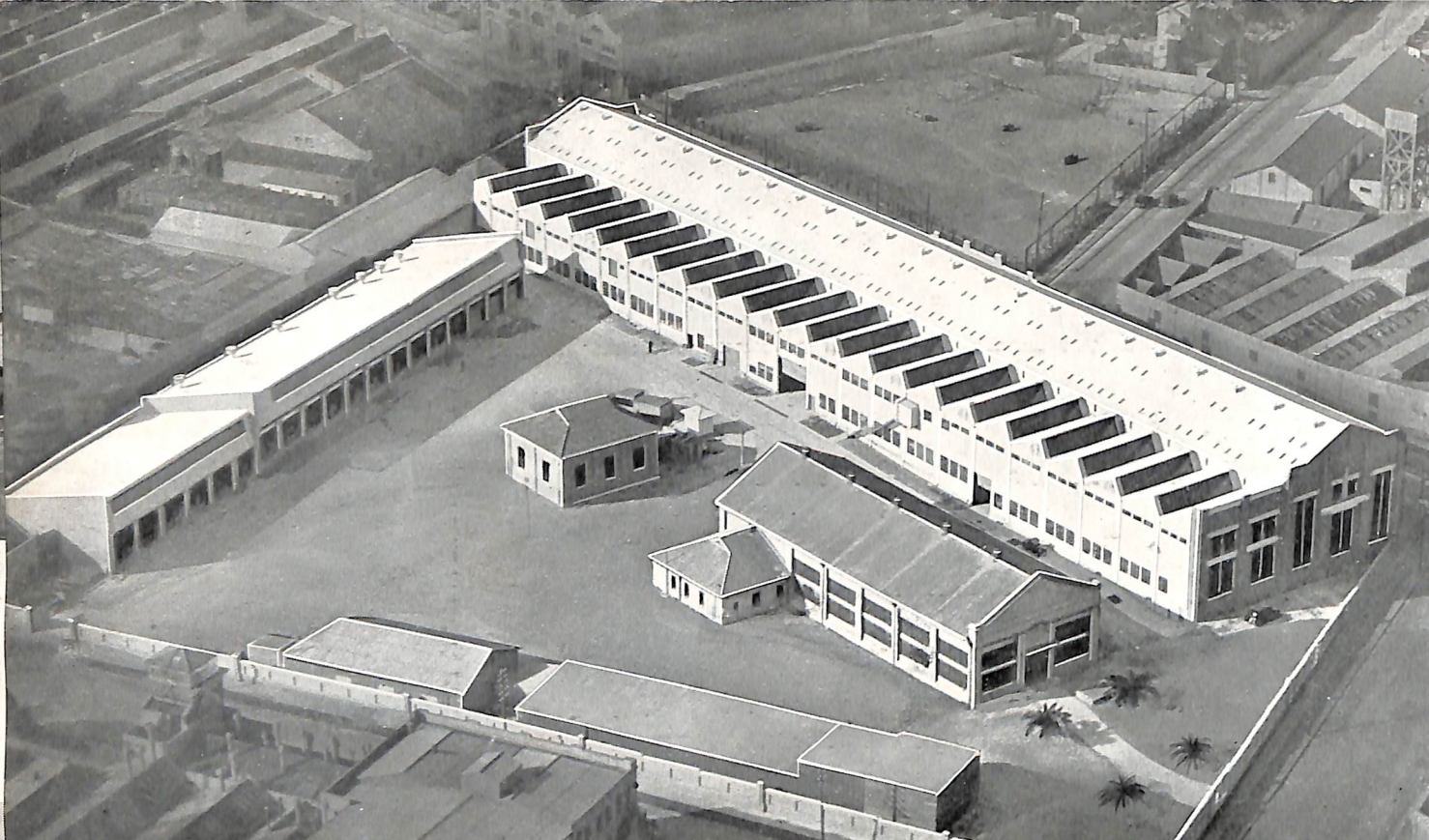
"S"

Railway Carriage and Running Sheds for N.S.W. Government Department of Railways, Hornsby, N.S.W.

Area "Fibrolite" Roofing: 75,000 square feet.

Date fixed: 1927.

The New South Wales Government Department of Railways are regular users of Hardie's "Fibrolite" Corrugated Roofing. During the past twenty years, hundreds of thousands of square feet of "Fibrolite" have been used by the Department for roofing workshops, engine sheds, running sheds, signal boxes, stores, station platforms and various other types of buildings. Hardie's "Fibrolite" Corrugated Roofing is used extensively by Government Railways Departments throughout Australia and New Zealand.

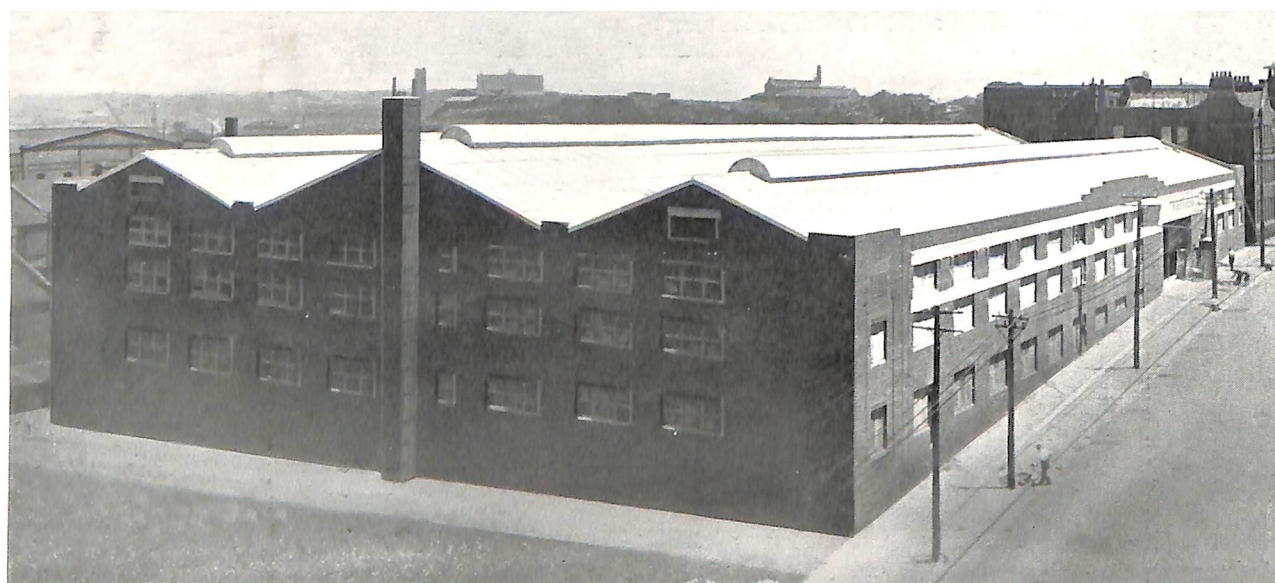


"S & SS"

Depot for Sydney Metropolitan Water, Sewerage & Drainage Board, Waterloo, Sydney.

Approximately 81,000 square feet of "Fibrolite" Corrugated Sheets were used for roofing and walling the buildings shown in the above illustration.

Dates fixed: 1935 and 1936.



"SS"

Bulk Stores for Messrs. Woolworths Ltd., Pyrmont, Sydney.

ARCHITECT: Mr. R. S. Hamilton.

BUILDERS: Messrs. Francis & Smith.

Area "Fibrolite" Roofing: 49,325 square feet.

Date fixed: September, 1935.

Messrs. Woolworths Ltd. also used "Fibrolite" Corrugated Sheets for roofing their premises at Wollongong, Melbourne and Perth.

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Fibrolite

ASBESTOS-CEMENT PRODUCTS

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For Walls, Ceilings, etc.:

"FIBROLITE" Asbestos-Cement Flat Sheets
"FIBROLITE" Cover and Angle Mouldings
"FIBROLITE" Eaves Mouldings
"FIBROLITE" Ventilators
"TILUX" Marble-finished Wall Panels
"VELOTILE" Wall Panels
"LUMEX" Metal Mouldings

For Roofing:

"FIBROLITE" Corrugated Sheets
"FIBROLITE" Guttering and Downpipes
"FIBROLITE" Ridge Cappings
"FIBROLITE" Skylights
"FIBROLITE" Roof Ventilators
"FIBROLITE" Asbestos-Cement Tiles
"TUSKAN" Tiles

Miscellaneous:

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"FIBROLITE" Culvert Formers
"FIBROLITE" Water Troughing
"FIBROLITE" Water Channelling
"FIBROLITE" Conduits for Electric Mains
"FIBROLITE" Louvre Blades
"FIBROLITE" Barge Mouldings
"FIBROLITE" Gas Flue Pipes
"FIBROLITE" Electrical Sundries
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